

Service Manual

Mode: T5

V1.0

2019.08.16

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1. Outline



2. Dismantling tools

2.1 Tools list

Items	Tools
1	Soldering iron
2	Cross screwdriver
3	Hot air gun
4	Digital multimeter
5	DC stabilized power supply
6	Dismantling chip
7	Tweezers
8	Suction Cup
9	Sim card
10	TF card
11	Anti-static gloves
12	Headset
13	Charger
14	USB cable

2.2 Common Tools

Tools	Name & Notice
	Hot air gun Working temp.: Component: 300 ± 10 °C Dismantling FPC& gel of plastic parts: 80 ± 10 °C Melting TP gel: 150 ± 10 °C
	Soldering Iron Welding temp.: 350°C
	Solder wire (Lead free)
	Cross screwdriver Spec.: ph0



Steel tweezer (Static-free)

	拆Dismantling chip
	Hairbrush
	ESD Wrist Strap
	Anti-Static gloves



Suction Cup

3. Dismantling

3.1 Procedures



1、Power off and push the keyboard, getting the tray out.



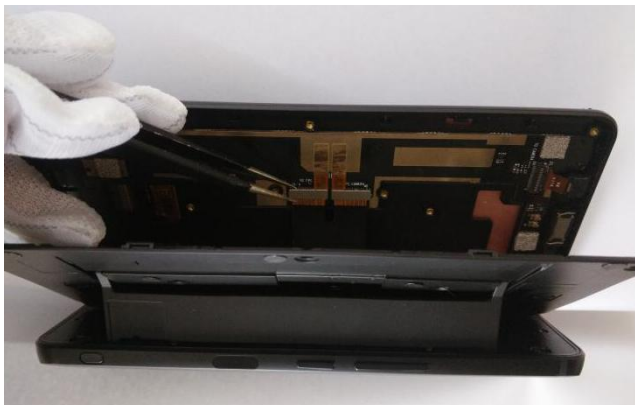
2、Tearing paster of five screws in bottom base(Shown in pic) by tweezers.



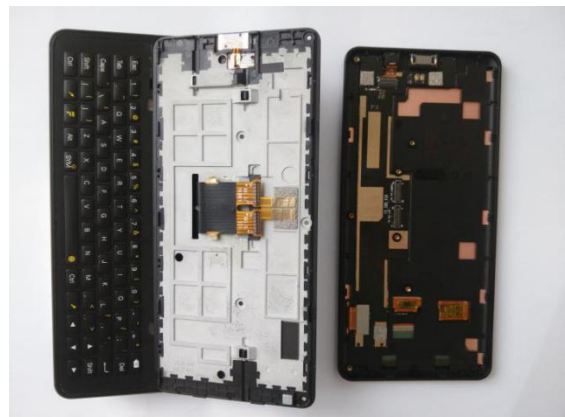
3、Opening five screws of the bottom base(Shown



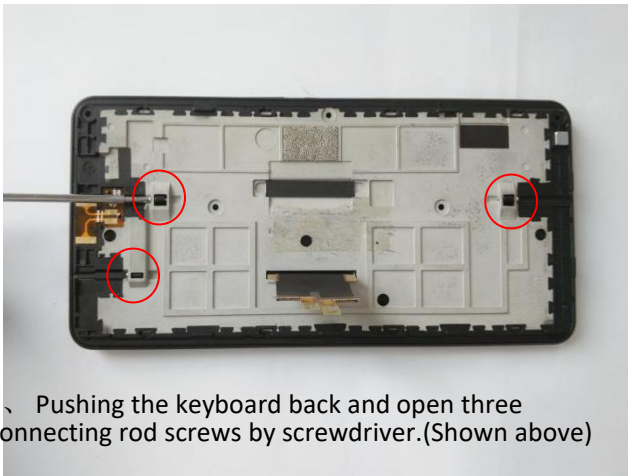
4、Inserting the chip in the gap between the cover and bottom case, rip the cover along edges.



5、Seperating the FPC connector by tweezer.



第10页共23页 6、Dismantling the screen assembly.



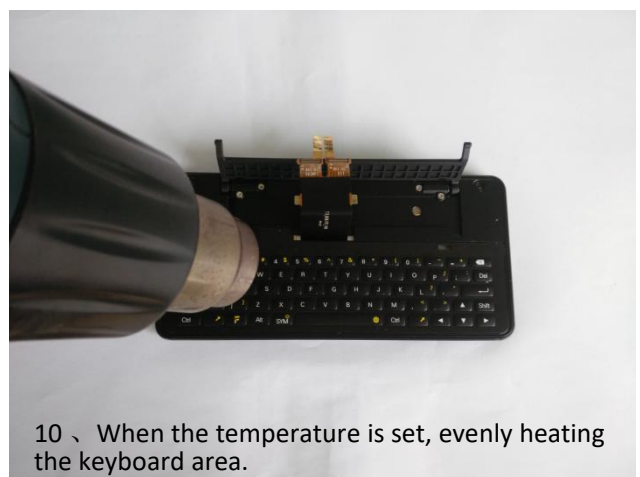
7、Pushing the keyboard back and open three connecting rod screws by screwdriver.(Shown above)



8、Dismantling bottom base(Mind FPC cable of screen)



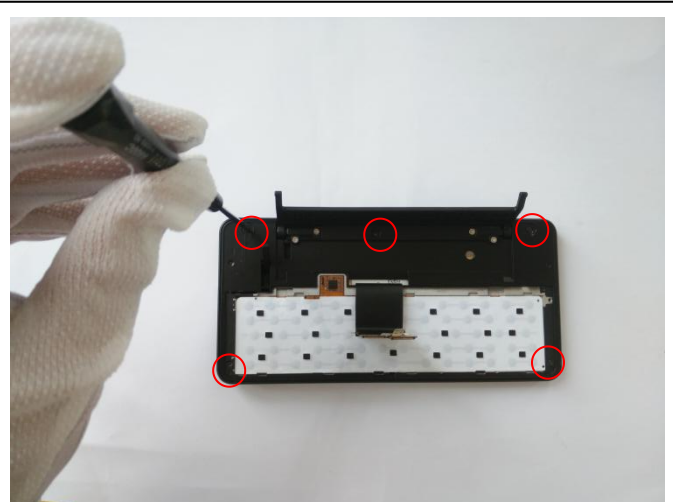
9、Adjusting the temperature of hot air gun to 80°C.



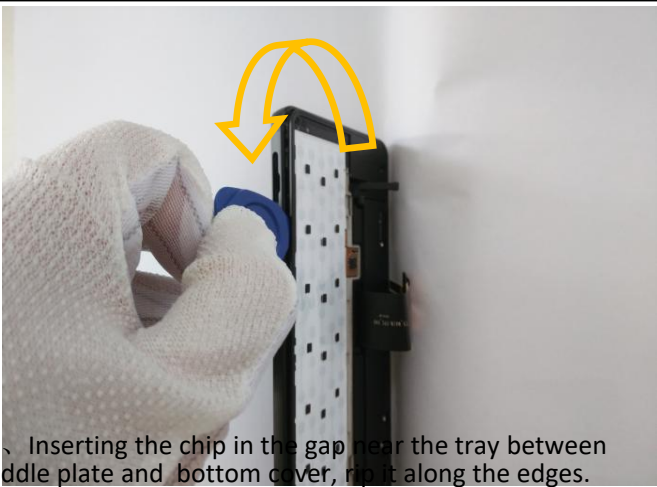
10、When the temperature is set, evenly heating the keyboard area.



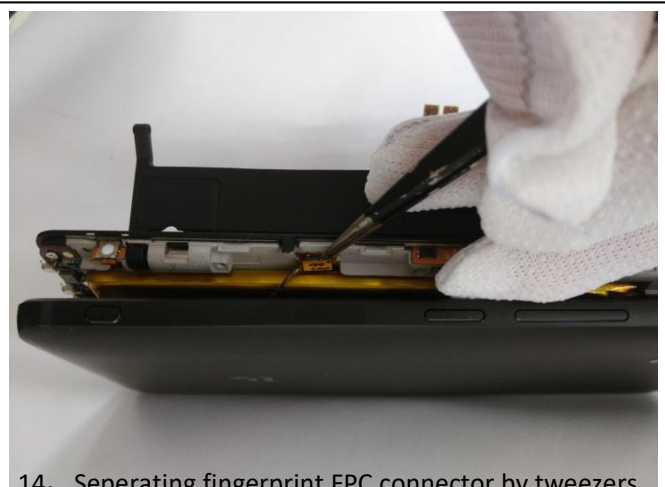
11、After 5-6 mins heating, dismantling the keyboard along its edges by plastic tweezer.



12、Opening five screws by screwdrivers(Shown above)



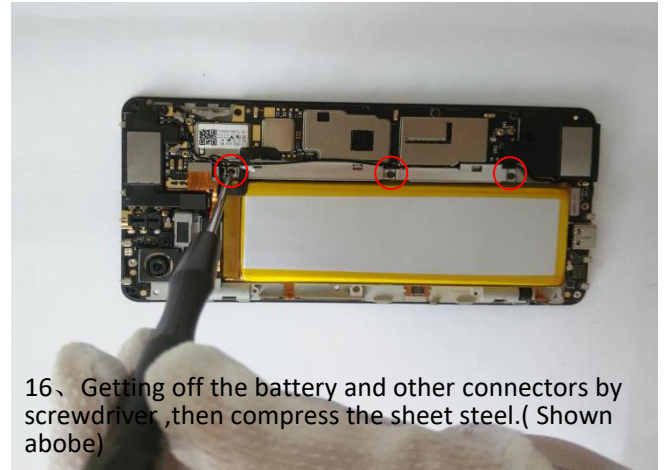
13、Inserting the chip in the gap near the tray between middle plate and bottom cover, rip it along the edges.



14、Seperating fingerprint FPC connector by tweezers.



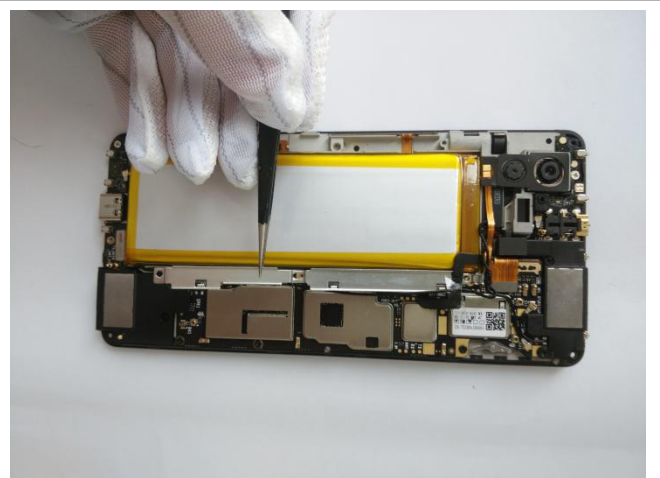
15、Dismantling the bottom cover.



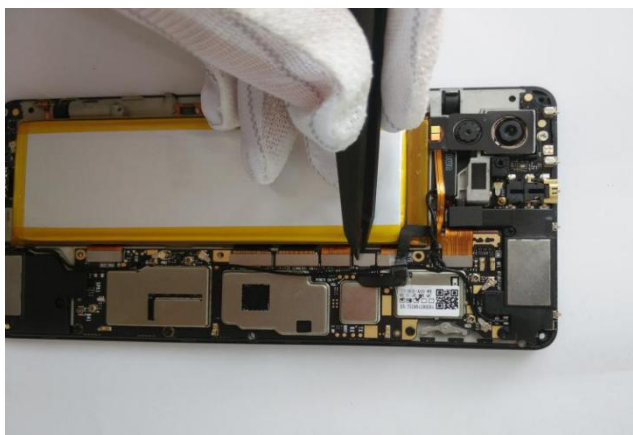
16、Getting off the battery and other connectors by screwdriver ,then compress the sheet steel.(Shown abobe)



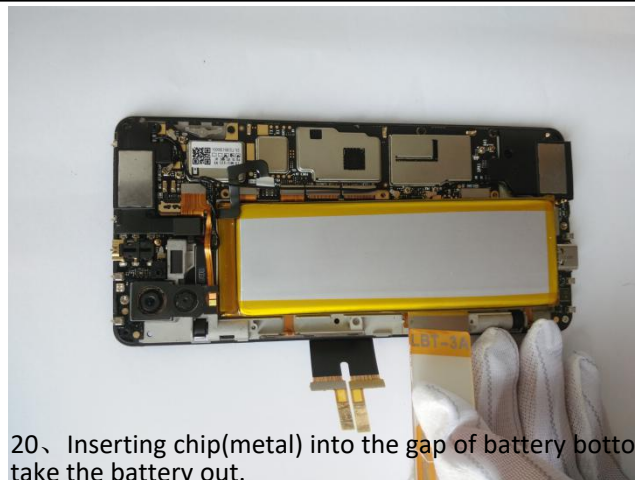
17、Sorting out the coaxial line of sheet steal by tweezer.



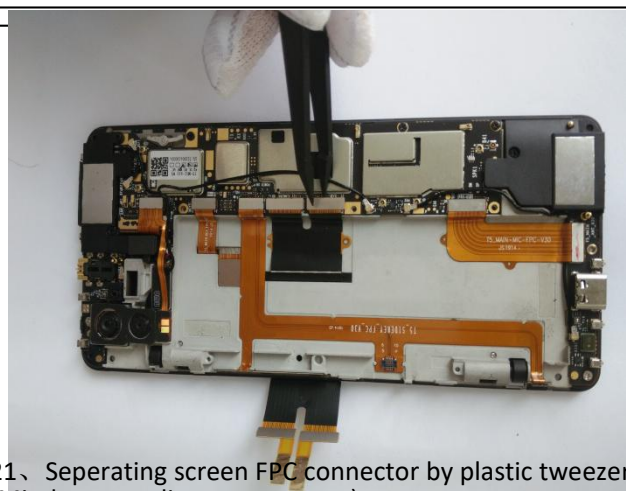
18、Taking out the compressed sheet steel by tweezer.



19、Separating battery and FPC connector by plastic tweezer.



20、Inserting chip(metal) into the gap of battery bottom, take the battery out.



21、Separating screen FPC connector by plastic tweezers (Mind surrounding components)



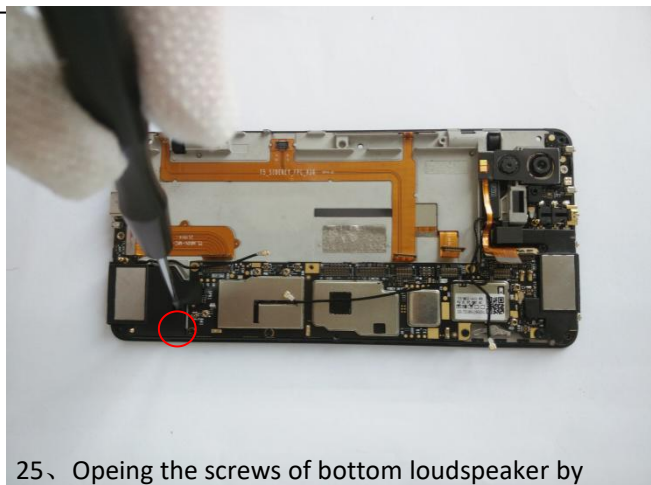
22、Tearing off FPC by hand after heating it by hot air gun (80°C)



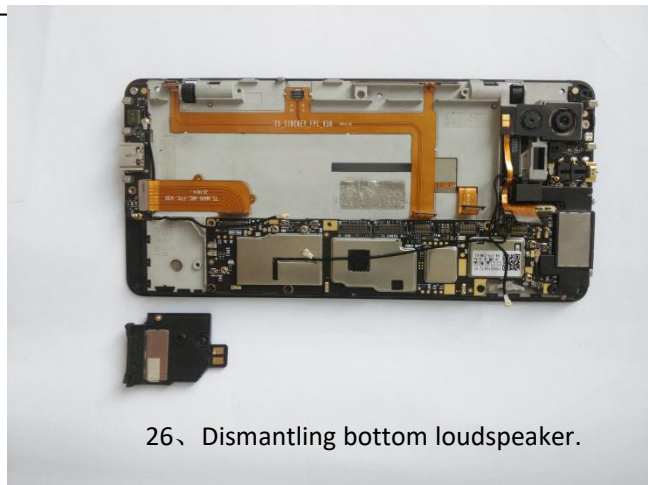
23、Dismantling flash light, front& back camera, keyboard, side buttons, main FPC and other connector in sequence by plastic tweezers. (Mind surrounding components.)



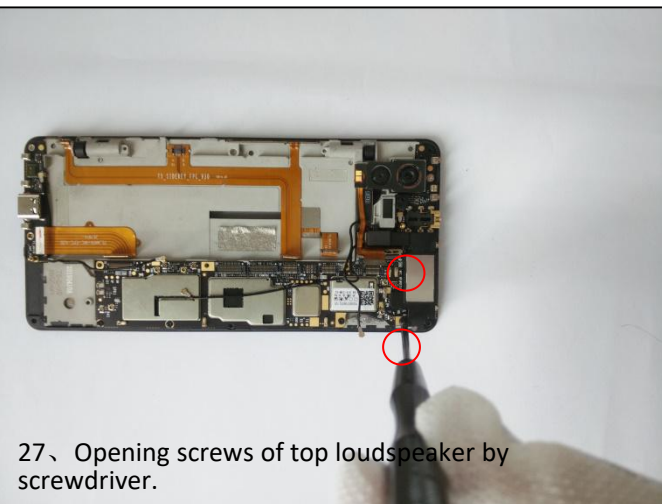
24、Separating button placement of coaxial line of main board by plastic tweezer.



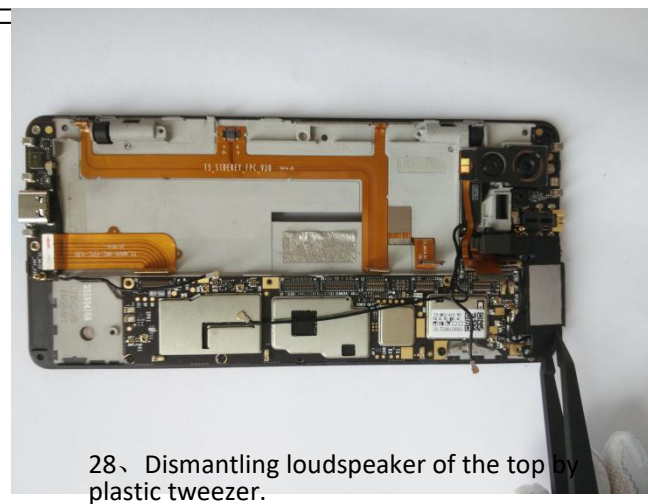
25、Opening the screws of bottom loudspeaker by screwdrivers. (Shown above)



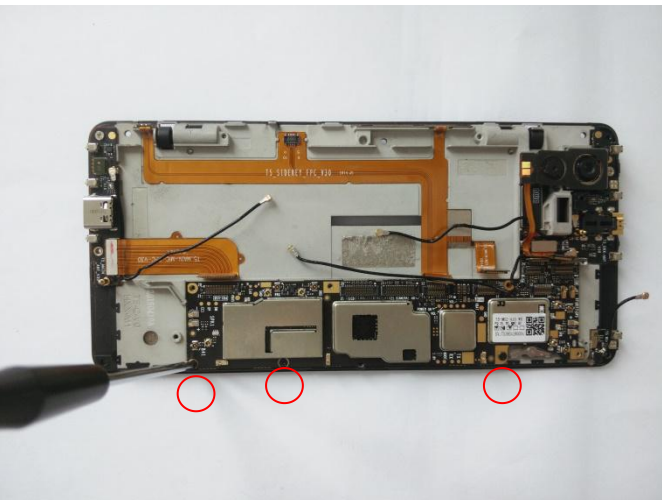
26、Dismantling bottom loudspeaker.



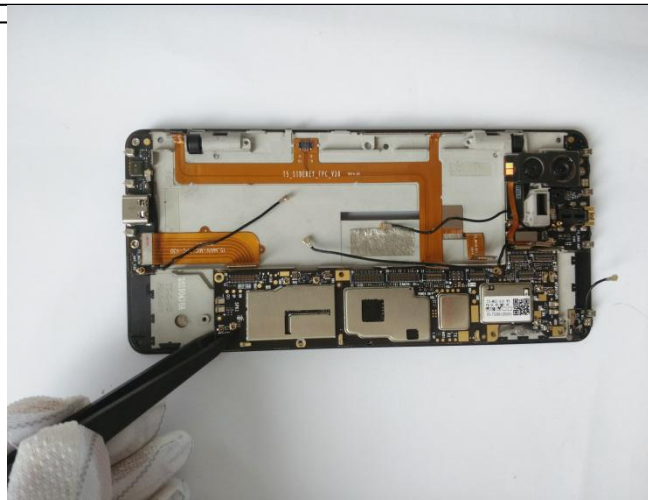
27、Opening screws of top loudspeaker by screwdriver.



28、Dismantling loudspeaker of the top by plastic tweezer.



29、Opening three screws of the main board by screwdriver.



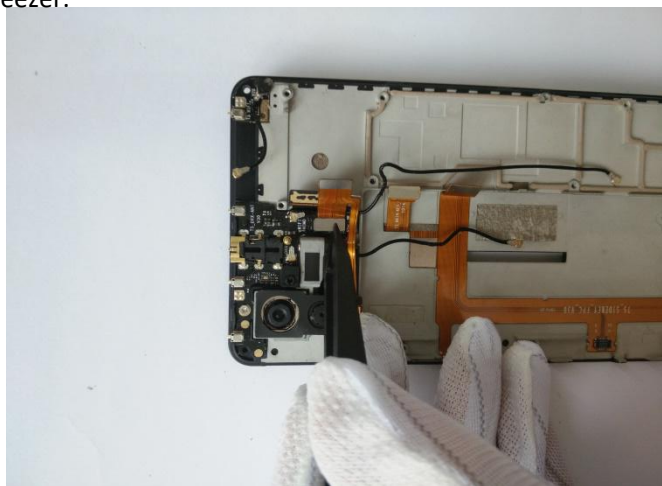
30、Dismantling mainboard by plastic tweezer.



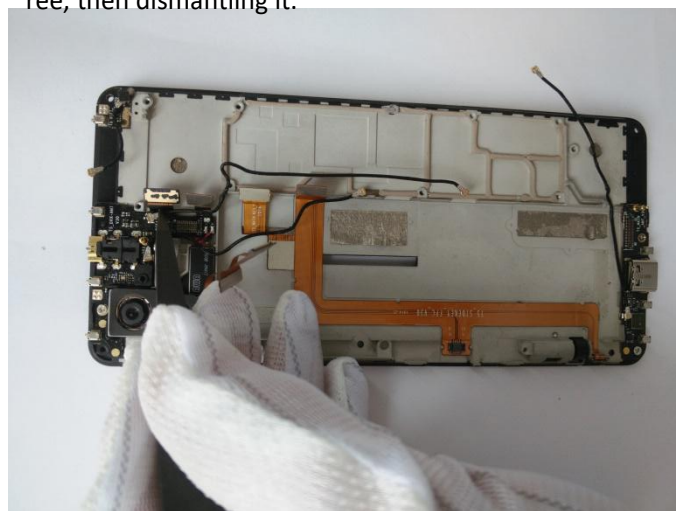
31、
Seperating main FPC connector of USB board by plastic tweezer.



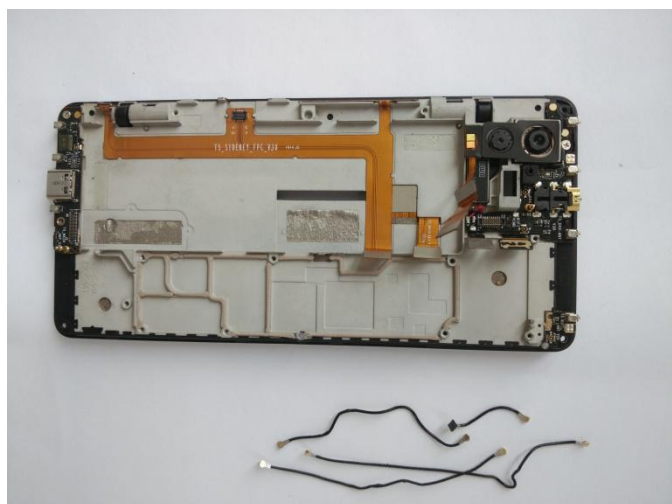
32、
After heating the main FPC for a while by hot air gun at 80 dreg ree, then dismantling it.



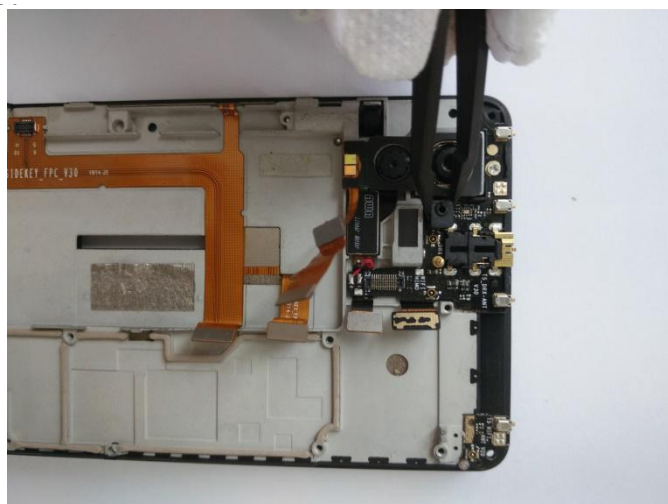
33、 Use a plastic tweezers to separate the flash transfer FPC connector and gently put it aside.



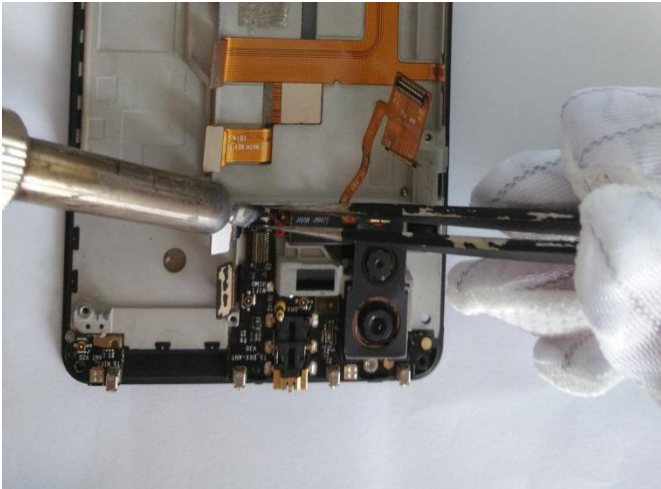
34、
Seperating each coaxial lines and buckle by plastic tweezer



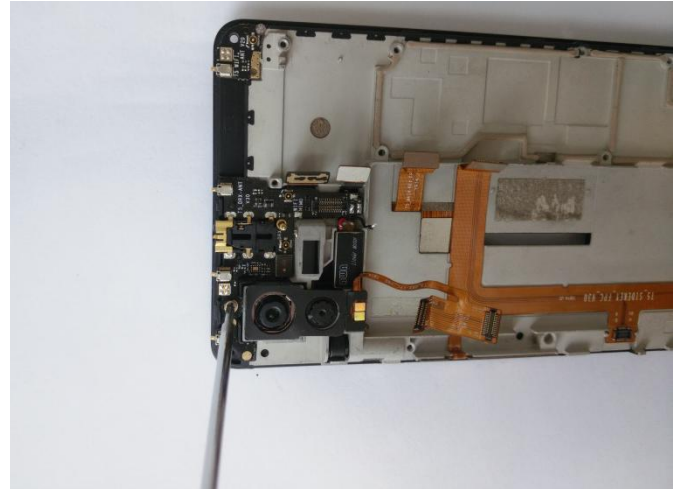
35、 Removing all coaxial lines



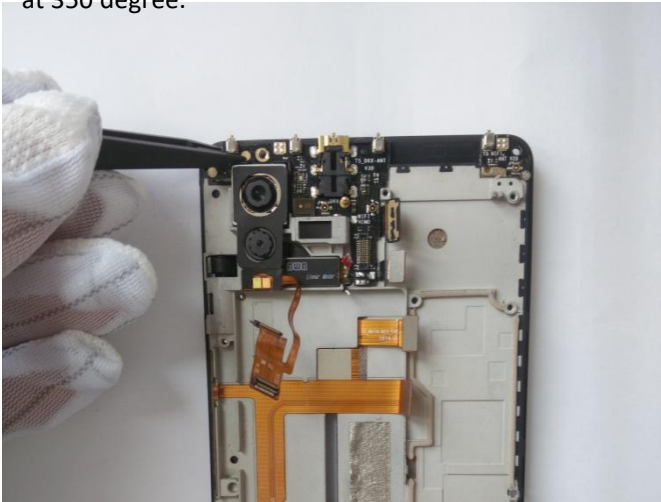
36、 Removing the back-



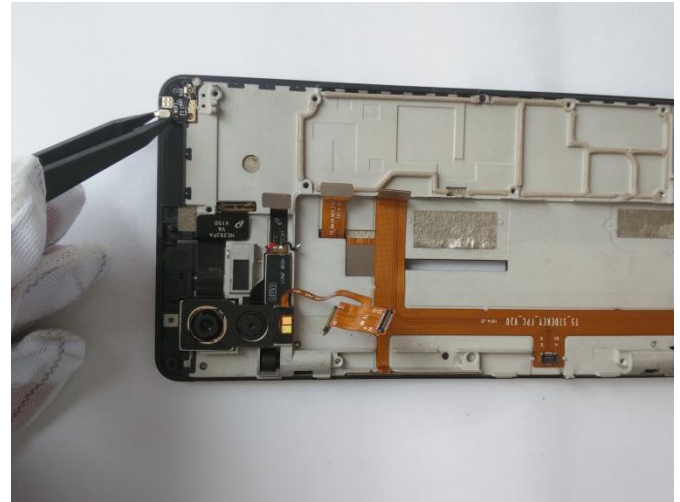
37、
Soldering Motor line of headset board by soldering iron at 350 degree.



38、
Opening the screws of headset board (shown in pics) by screwdriver.



39、Dismantling headset board by plastic tweezers.



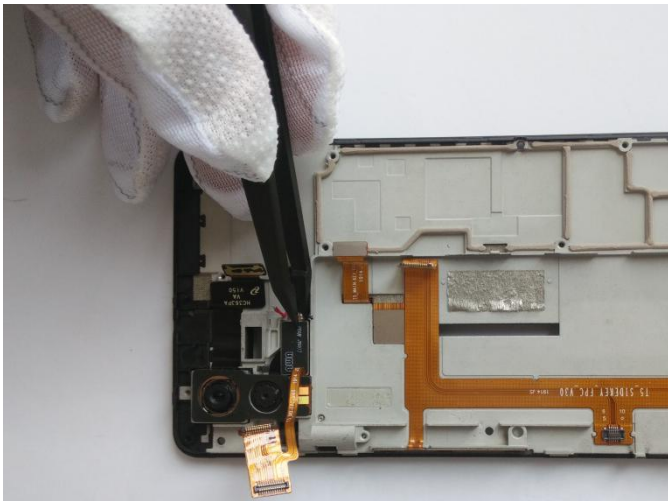
40、Dismantling 3-1 antenna board by plastic tweezers.



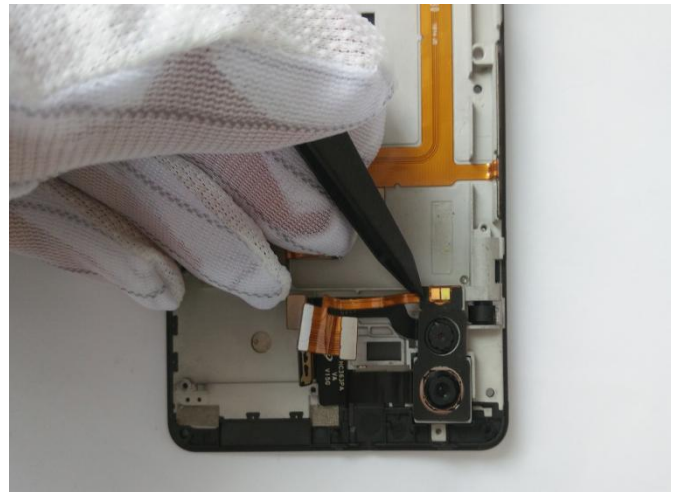
41、Opening the screws of USB board by screwdriver.



42、Dismantling USB board by plastic tweezers.



43、Dismantling the motor by plastic tweezer.



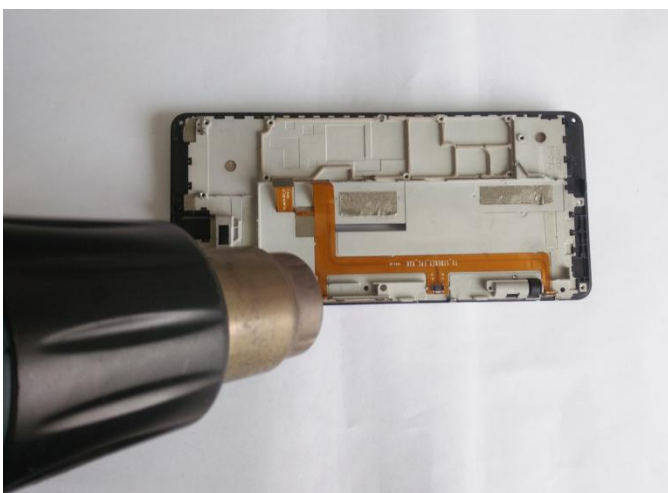
44、Dismantling flash light FPC by plastic tweezer.



45、Peeling the foam of camera by plastic tweezer



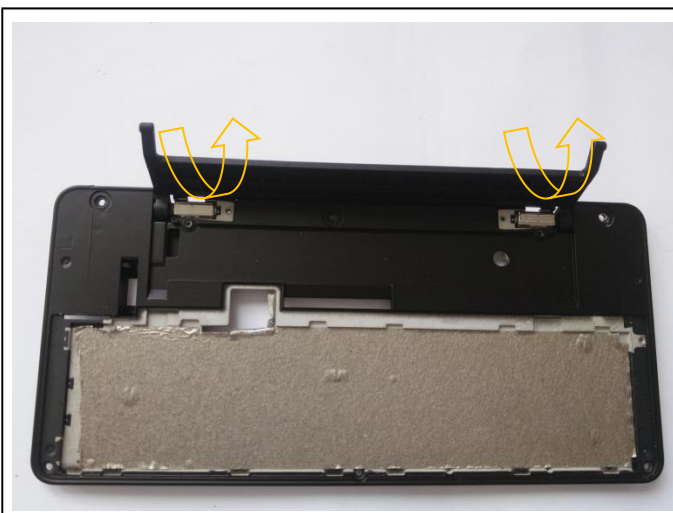
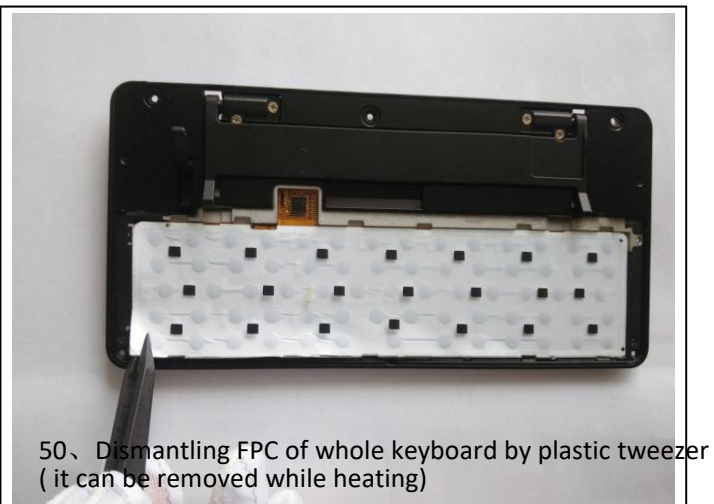
46、Dismantling camera assembly by plastic tweezer.



47、Heating side FPC by hot air gun at 80 degree evenly.



48、Dismantling side FPC by plastic tweezer.

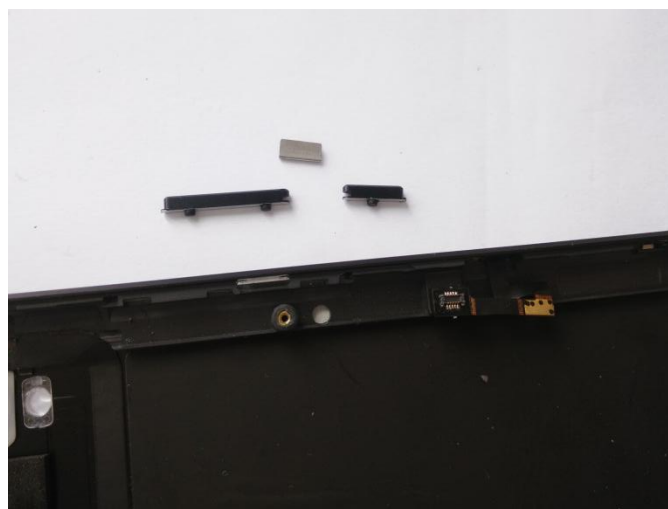




55、Dismantling main mike set by plastic tweezer.



56、Peeling off the steel disc by inserting the tweezer into the gap between the side key



57、Pushing the side key out by plastic tweezer from inside out, dismantling the power button and volume button.



58、Peeling the steel disc by inserting the tweezer into the gap between camera button.



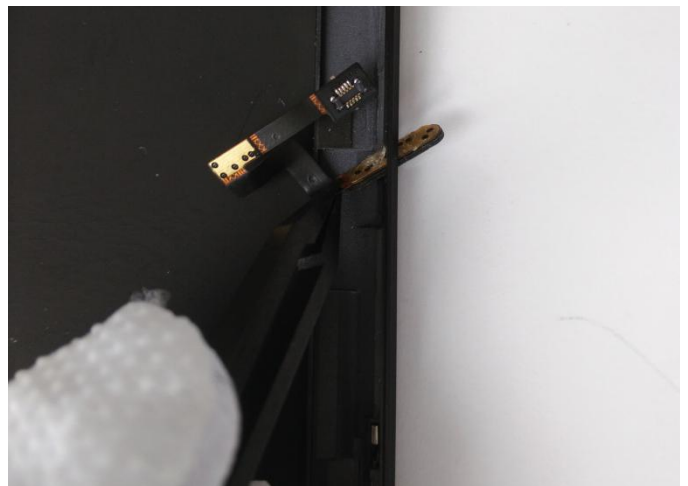
59、Taking out the camera button from inside out by plastic tweezer.



60、Heating fingerprint FPC by hot air gun at 80 degree.



61、Pushing the fingerprint module by plastic tweezers from inside out after heating, in which way it would be seperated from the groove of fingerprint.



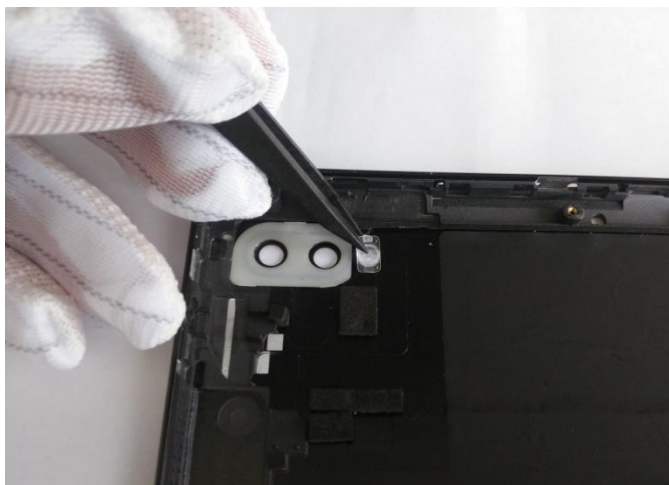
62、Holding the FPC of fingerprint from inside by plastic tweezer and taking it out.



63、Evenly heating NFC antenna area by Hot air gun at 80 degree.



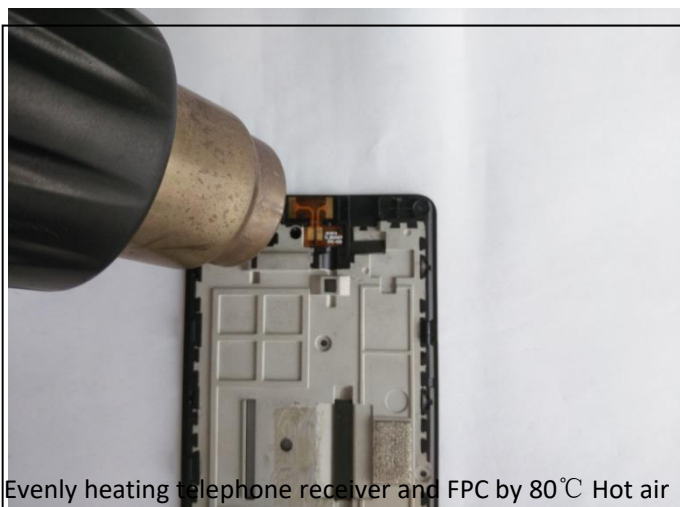
64、Dismantling NFC antenna by plastic tweezer.



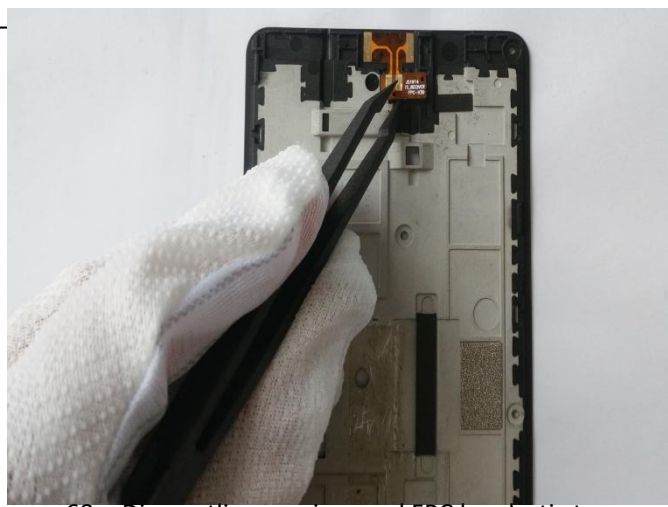
65、Dismantling the flash shield by plastic tweezer.



62. Pushing the camera slice from inside out by plastic tweezer and dismantling the back camera



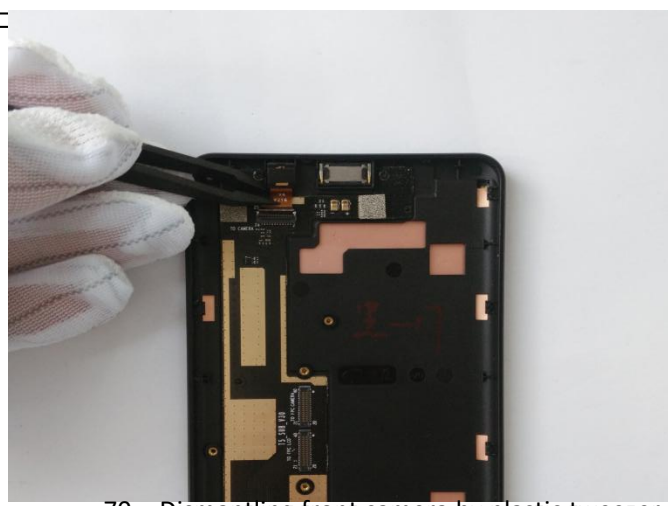
67、Evenly heating telephone receiver and FPC by 80℃ Hot air gun



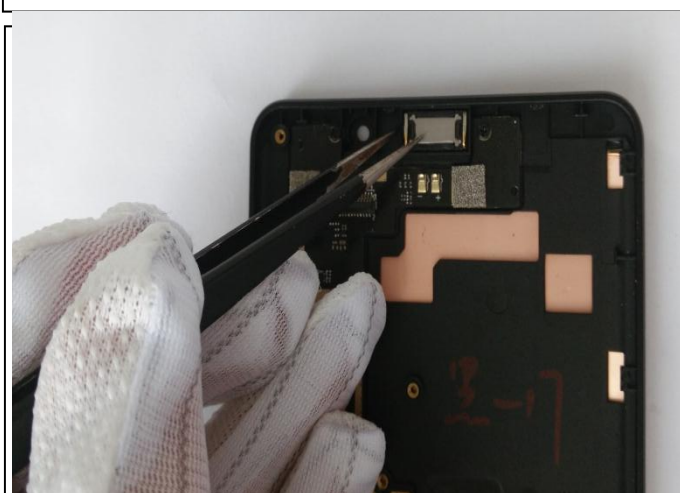
68、Dismantling receiver and FPC by plastic tweezers.



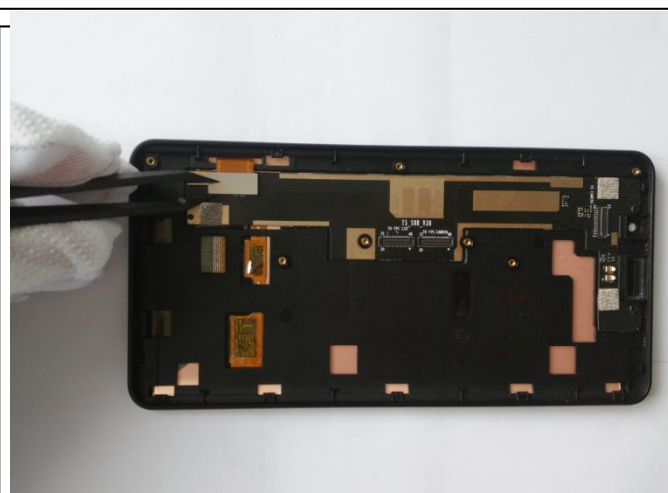
69、Pulling out bottom placement of front camera connector by plastic tweezers.



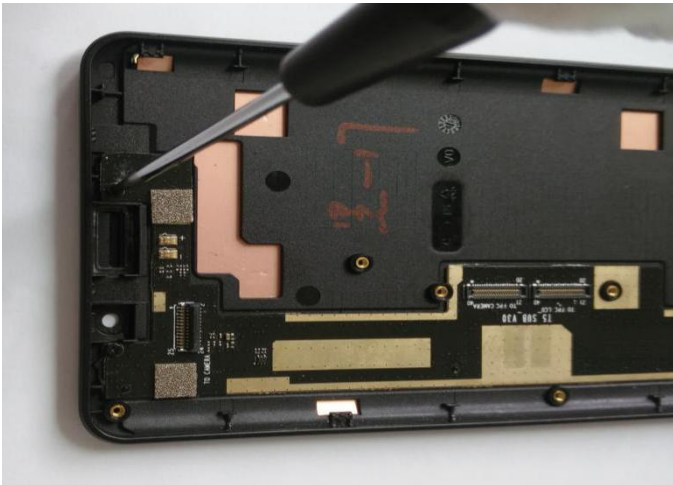
70、Dismantling front camera by plastic tweezers.



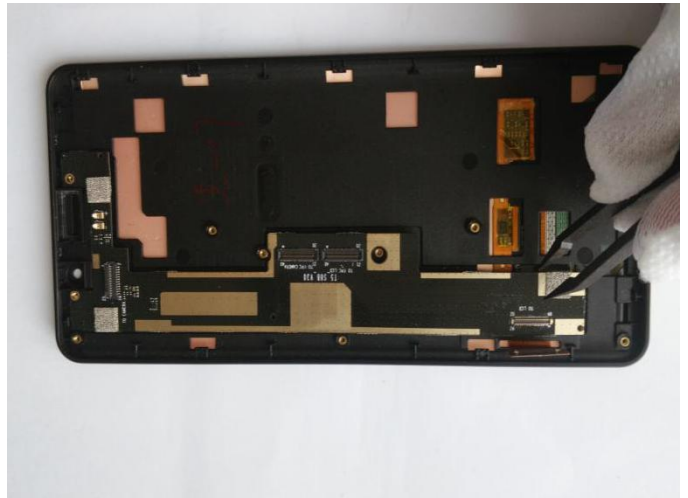
71、Getting the tweezers inside of bottom receiver groove and taking it out.



72、Separating screen FPC connector by plastic tweezers.



73、Opening two screws of the screen pinboard (shown in pics) by screwdriver.



74、Dismantling screen pinboard by palstic tweezer.



75、Adjusting the hot air gun at 160 degree.(note: Heating platform doesn't apply to curved screen.)



76、Evenly heating the four edges along the screen by hot air gun.



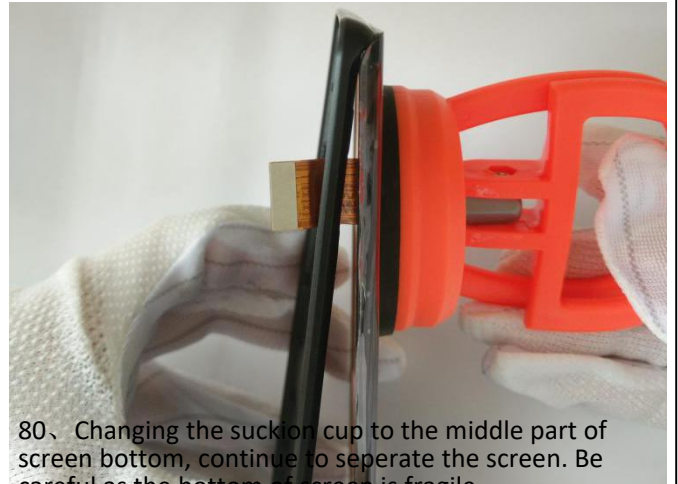
77、Continually heating it.



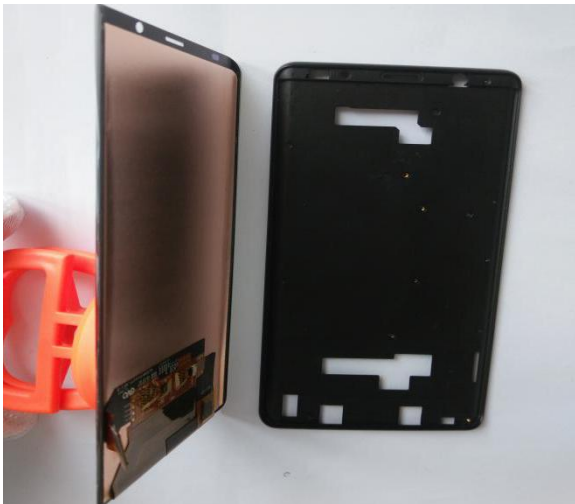
78、Sucking the middle part of the phone screen by suction cup(the middle part of a curved screen is flat), holding the border in the other hand and splitting it apart. (NOTE: do not PULL, seperating it with even force. During the separation process, it can be heated simultaneously.



79、Separating the screen.



80、Changing the suction cup to the middle part of screen bottom, continue to separate the screen. Be careful as the bottom of screen is fragile.



81、After they are separated, remove the suction cup and place the screen.



82、Cleaning residual gel along the edges by plastic tweezer.

