

# GR2791 Professional Repair Guide

FOR PROFESSIONAL ONLY

# Parts that customers cannot replace

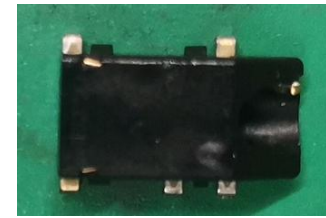
It involves welding process, and users are prohibited to replace it by themselves, please contact your device aftersale service

1. Earphone socket connector
2. TYPE-C connector
3. Microphone
4. Sub Microphone
5. Battery Connector
6. LCD Connector
7. CAM Connector
8. Torch Connector
9. SIM Connector
10. Receiver
11. Speaker

# Parts that engineer can replace-1.Earphone socket connector

1. Check the appearance of the headphone port. Whether the headset icon is displayed when the headset is inserted.

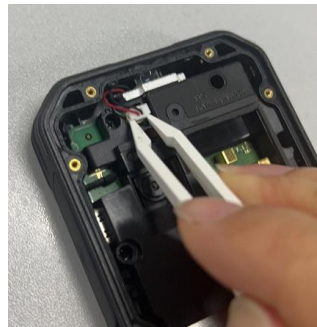
Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new headphone jack.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.



(2) Remove Remove the flashlight interface, twelve cross screws,



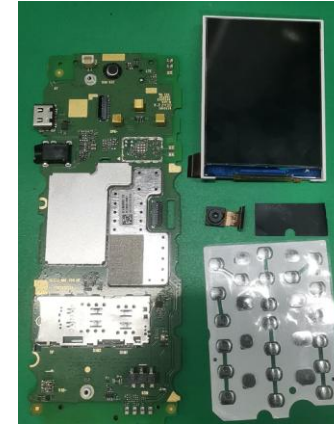
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# Parts that engineer can replace-1.Earphone socket connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-1.Earphone socket connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

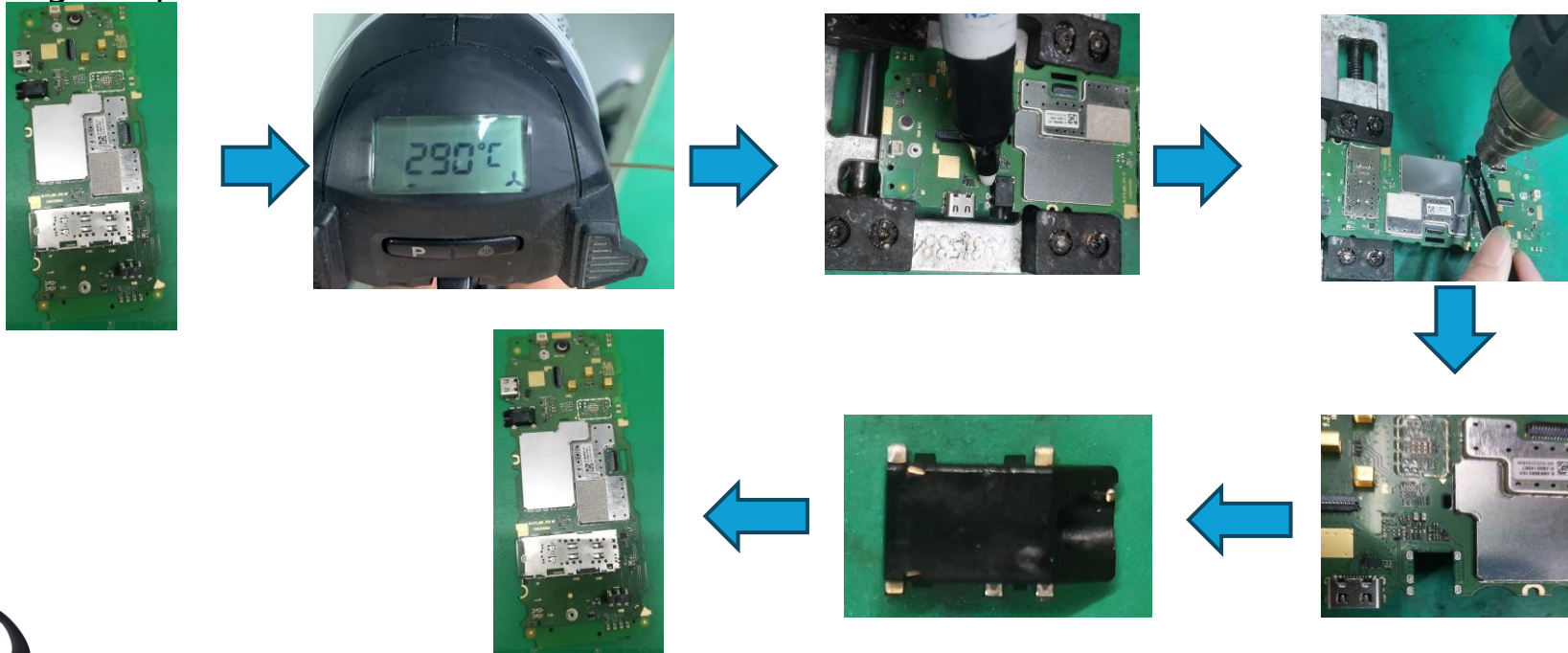
Keep the nozzle 2-3cm away from the material and heat the headphone interface for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

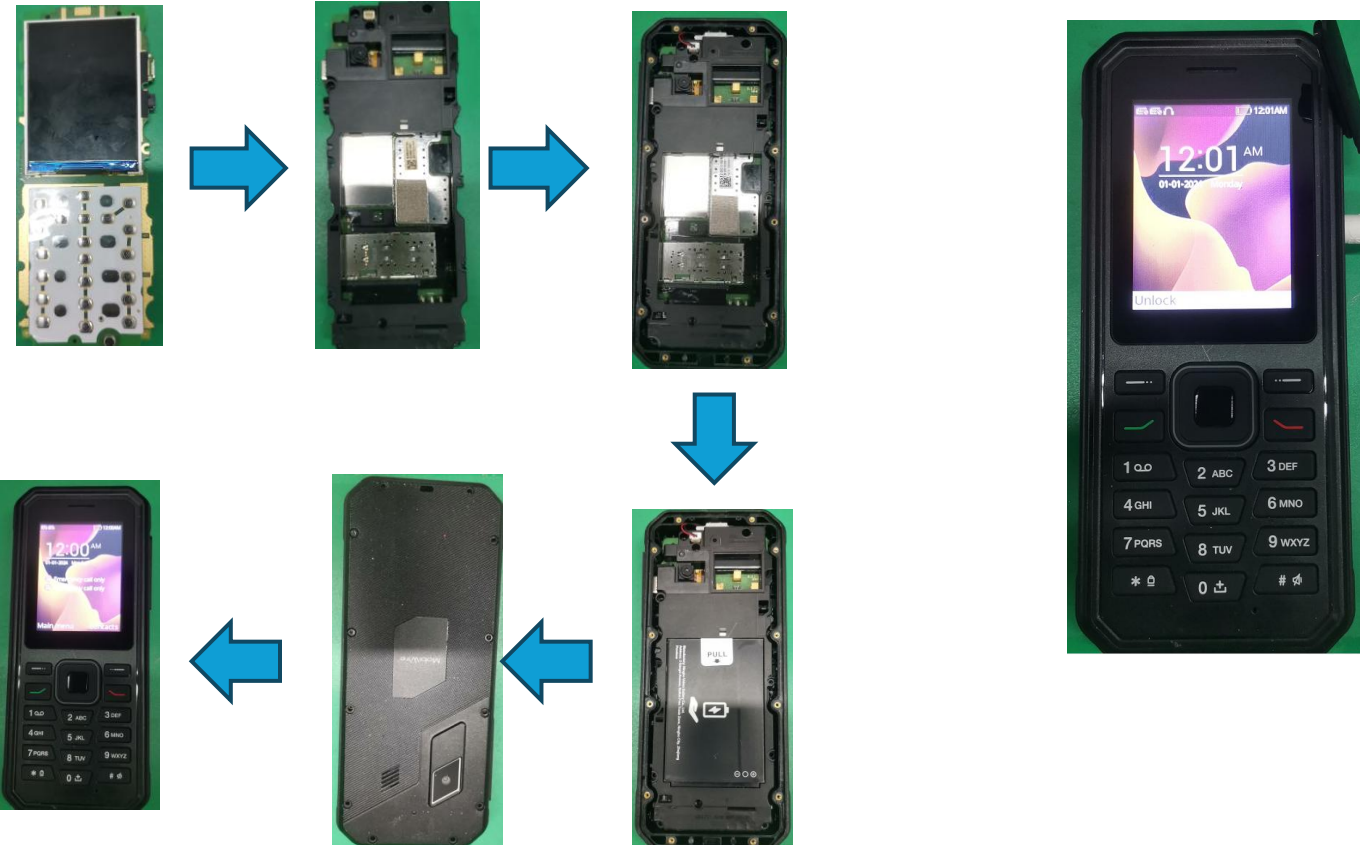


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# Parts that engineer can replace-1.Earphone socket connector

(6) Assemble machine parts in turn.

(7) Verify that the headset function is ok and that the headset has a headphone icon when inserted.

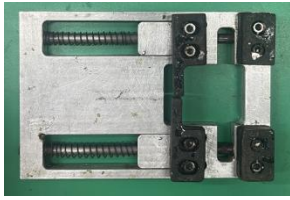


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# Parts that engineer can replace-2.TYPE-C connector

1. Check the appearance of the TYPE-C connector. Whether the data cable is charged properly when inserted.  
Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new TYPE-C connector.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove Remove the flashlight interface, twelve cross screws, card.

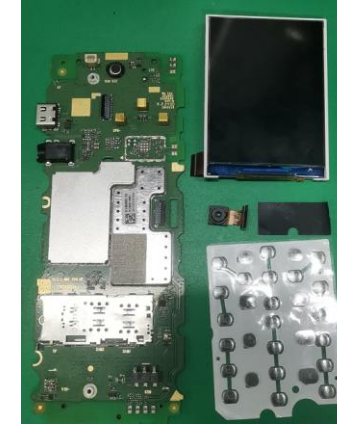


## Parts that engineer can replace-2.TYPE-C connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.





# Parts that engineer can replace-2.TYPE-C connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 300°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

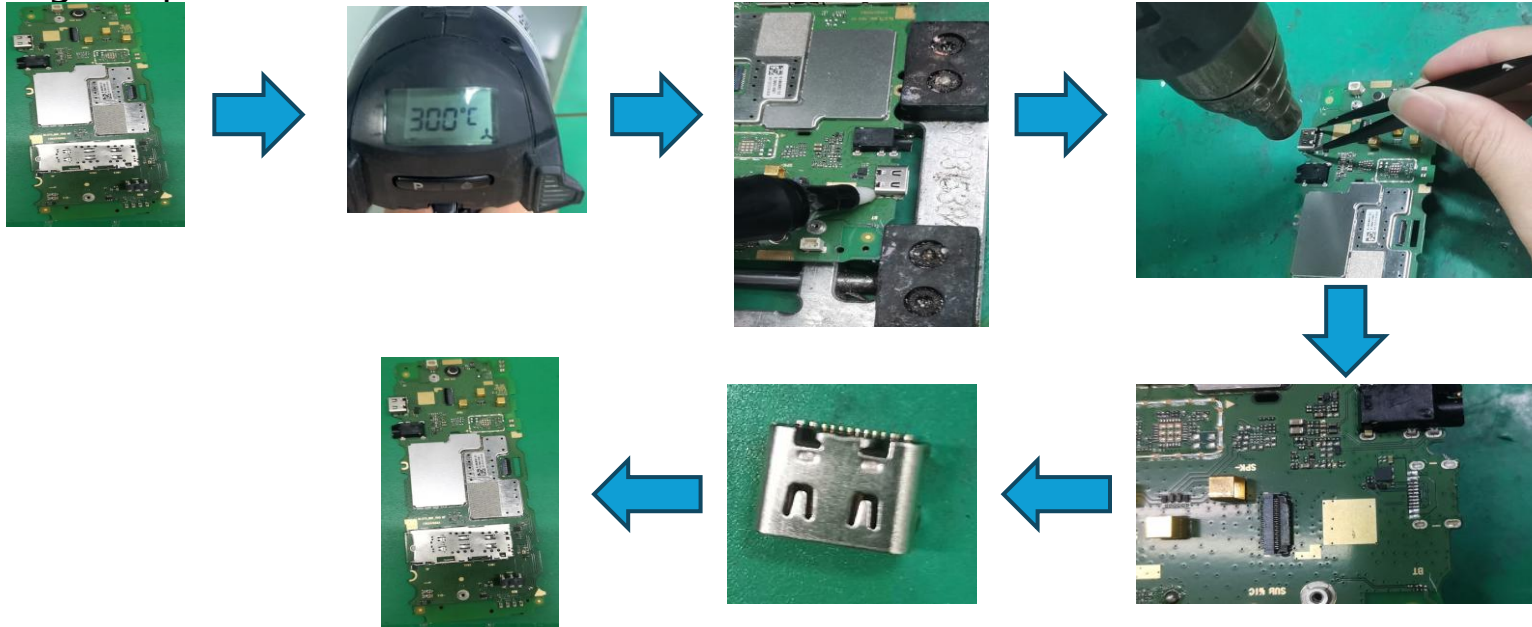
Keep the nozzle 2-3cm away from the material and heat the TYPE-C connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

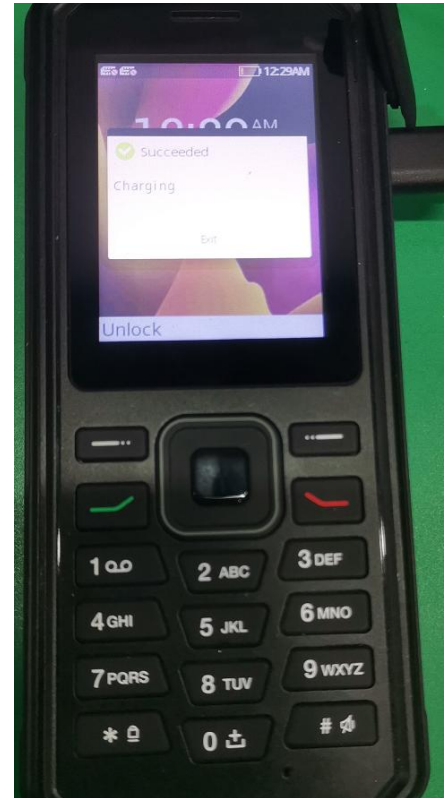
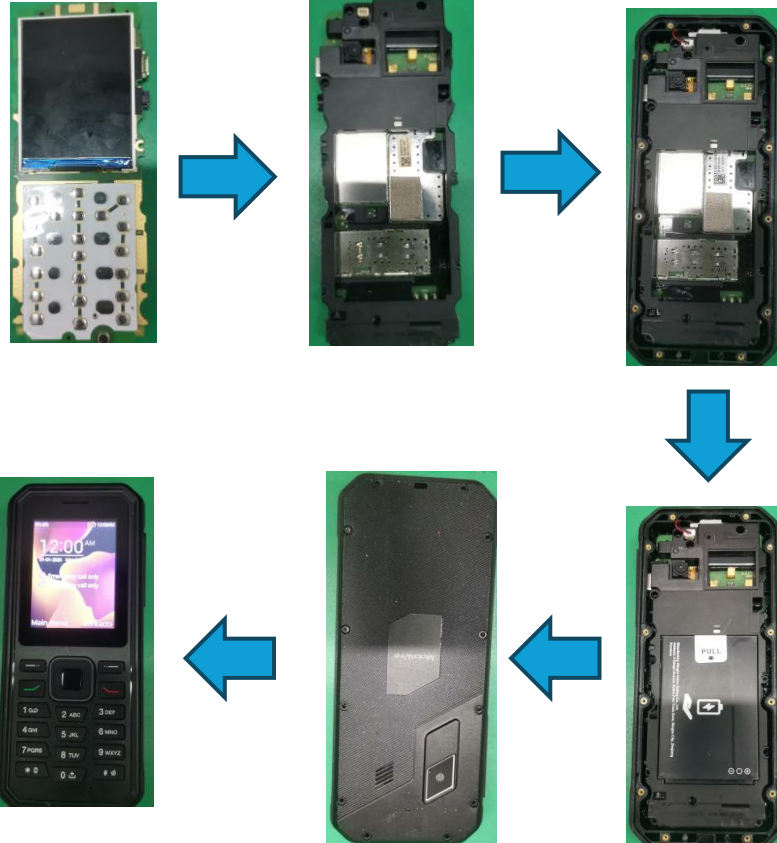


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## Parts that engineer can replace-2.TYPE-C connector

(6) Assemble machine parts in turn.

(7) Verify that the TYPE-C connector is properly charged.



# Parts that engineer can replace-3.Microphone

1. Check whether the microphone is working properly.

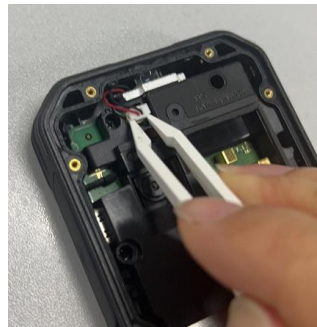
Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new microphone.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.



(2) Remove Remove the flashlight interface, twelve cross screws, card.



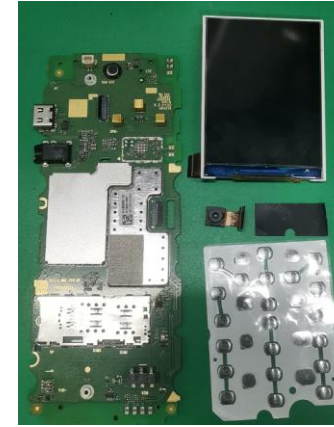
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# Parts that engineer can replace-3.Microphone

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.





# Parts that engineer can replace-3.Microphone

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

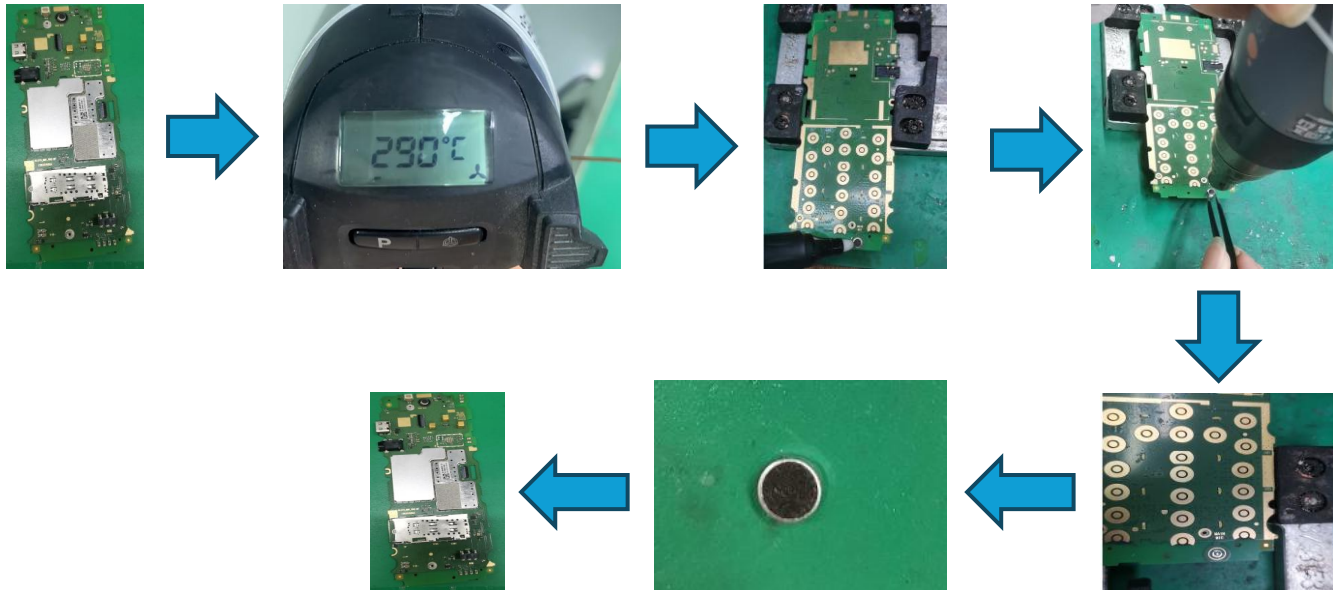
Keep the nozzle 2-3cm away from the material and heat the Microphone for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

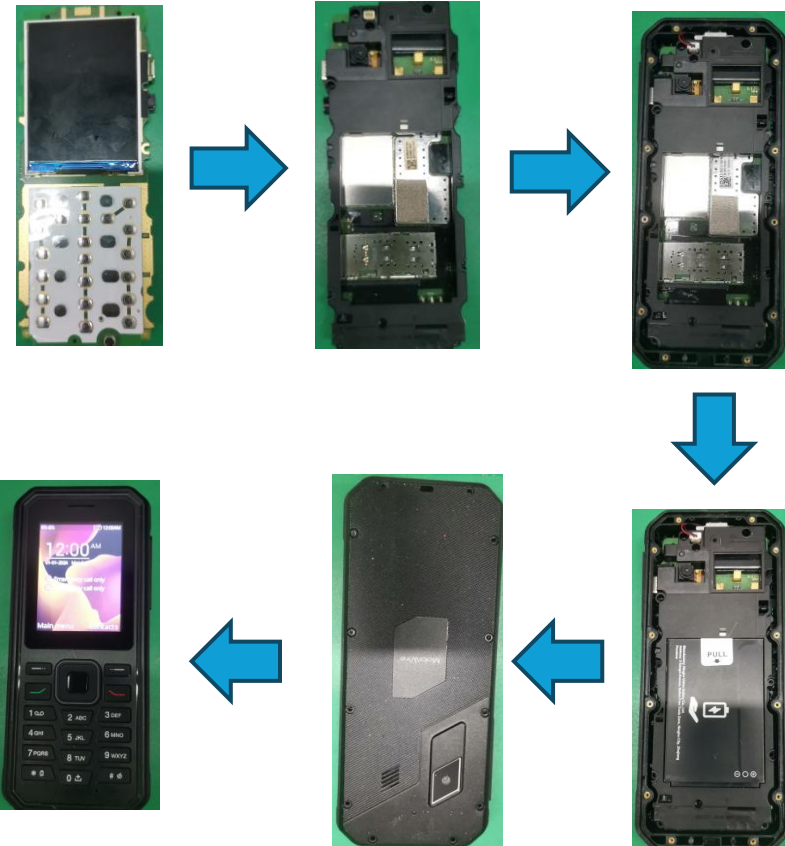


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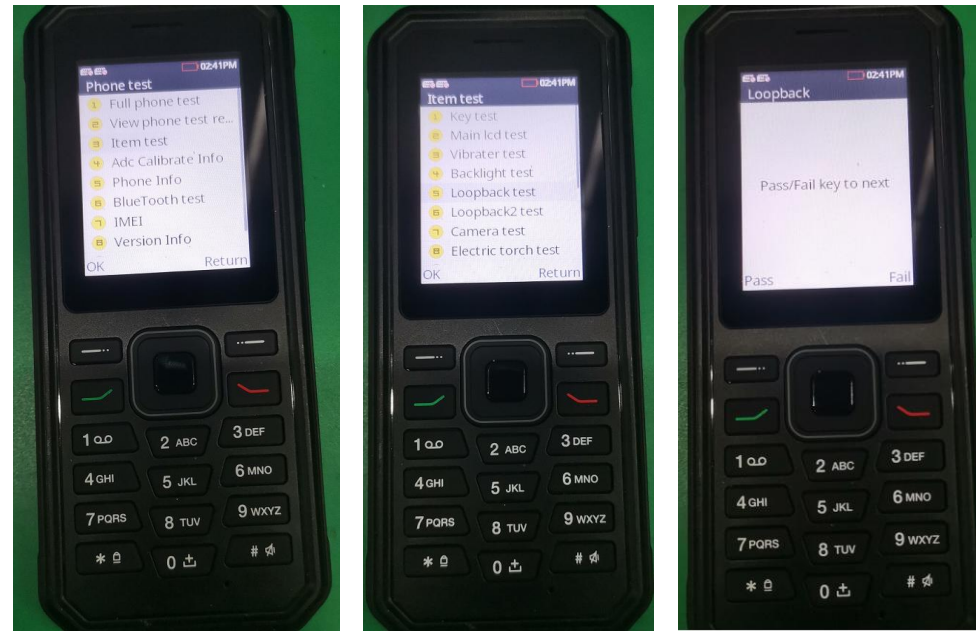


# Parts that engineer can replace-3.Microphone

(6) Assemble machine parts in turn.



(7) Input \*#15963# on the boot main interface, select "Item test" - "Loopback test", blow on the microphone, listen to whether there is an echo, if so, pass.



# Parts that engineer can replace-4.Sub Microphone

1. Check whether the sub microphone is working properly.

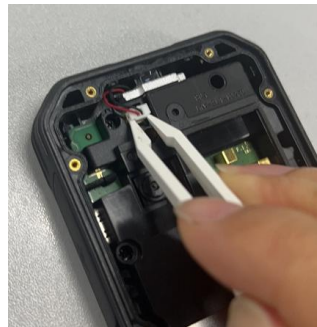
Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new microphone.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.



(2) Remove Remove the flashlight interface, twelve cross screws, card.

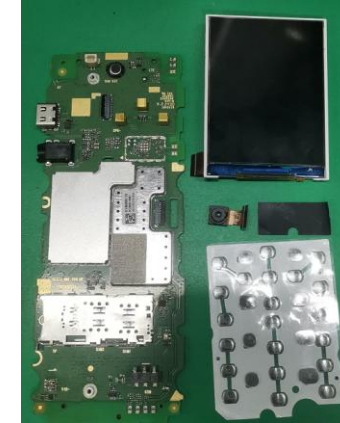


# Parts that engineer can replace-4.Sub Microphone

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-4.Sub Microphone

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

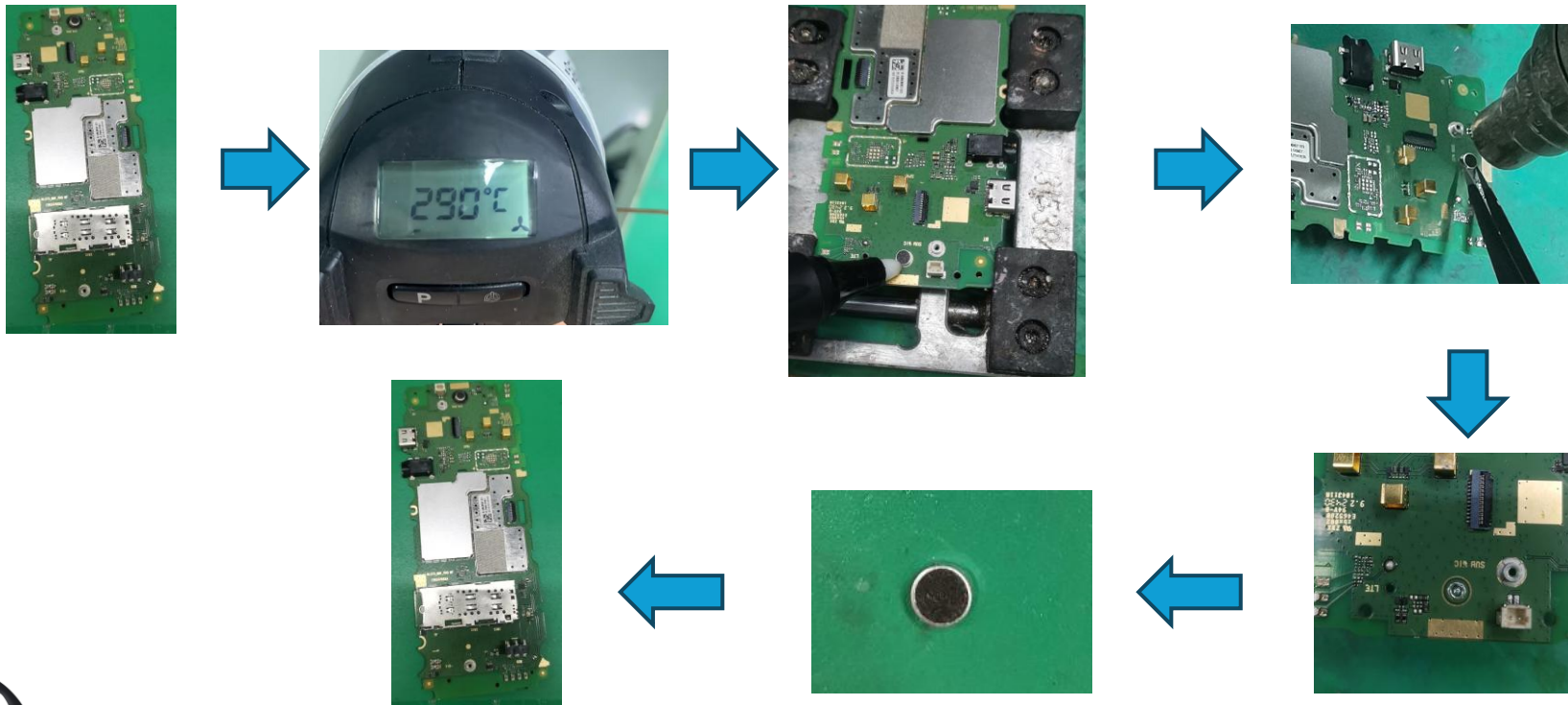
Keep the nozzle 2-3cm away from the material and heat the Sub Microphone for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

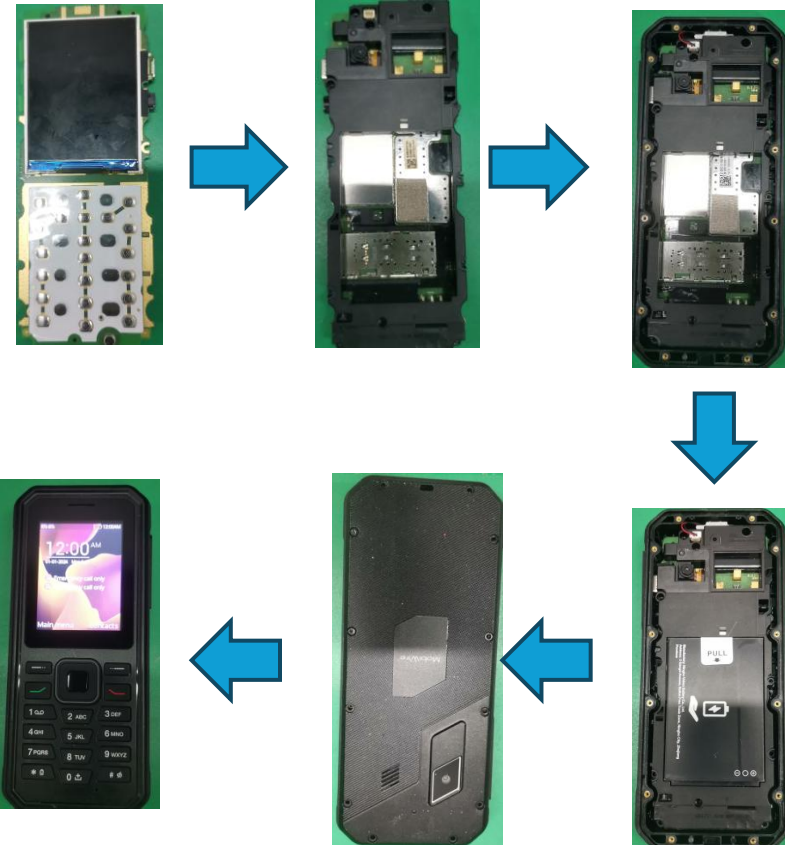


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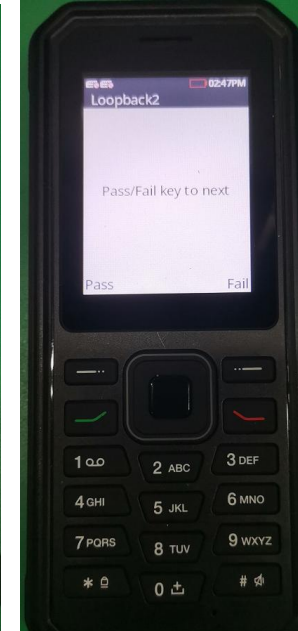
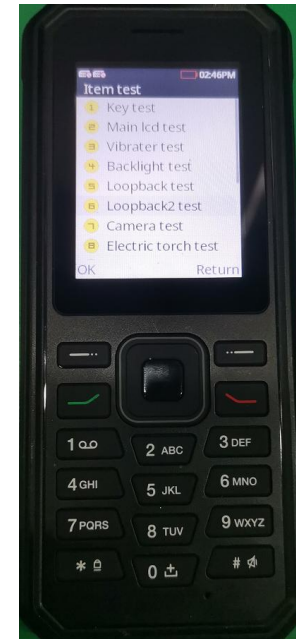
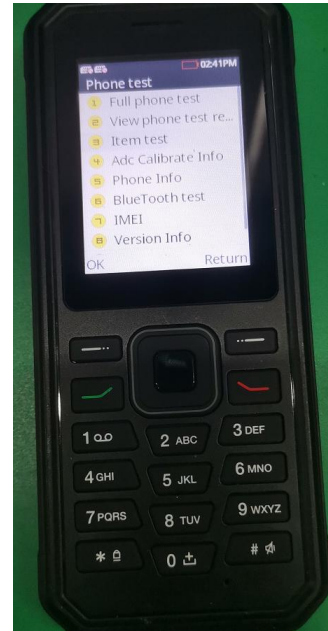


# Parts that engineer can replace-4.Sub Microphone

(6) Assemble machine parts in turn.



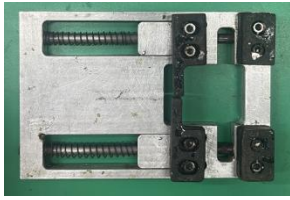
(7) Input \*#15963# on the boot main interface, select "Item test" - "Loopback2 test", blow on the microphone, listen to whether there is an echo, if so, pass.





# Parts that engineer can replace-5. Battery Connector

1. Check the appearance of the battery connector. Confirm whether the mobile phone is powered on normally.  
Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new battery connector.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove Remove the flashlight interface, twelve cross screws, card.

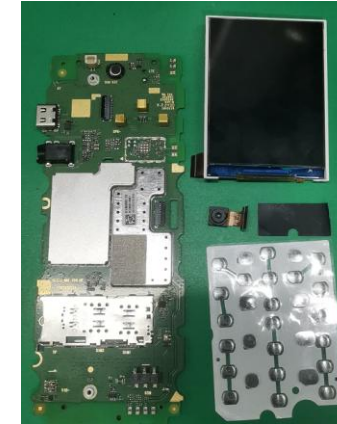


## Parts that engineer can replace-5. Battery Connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-5. Battery Connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

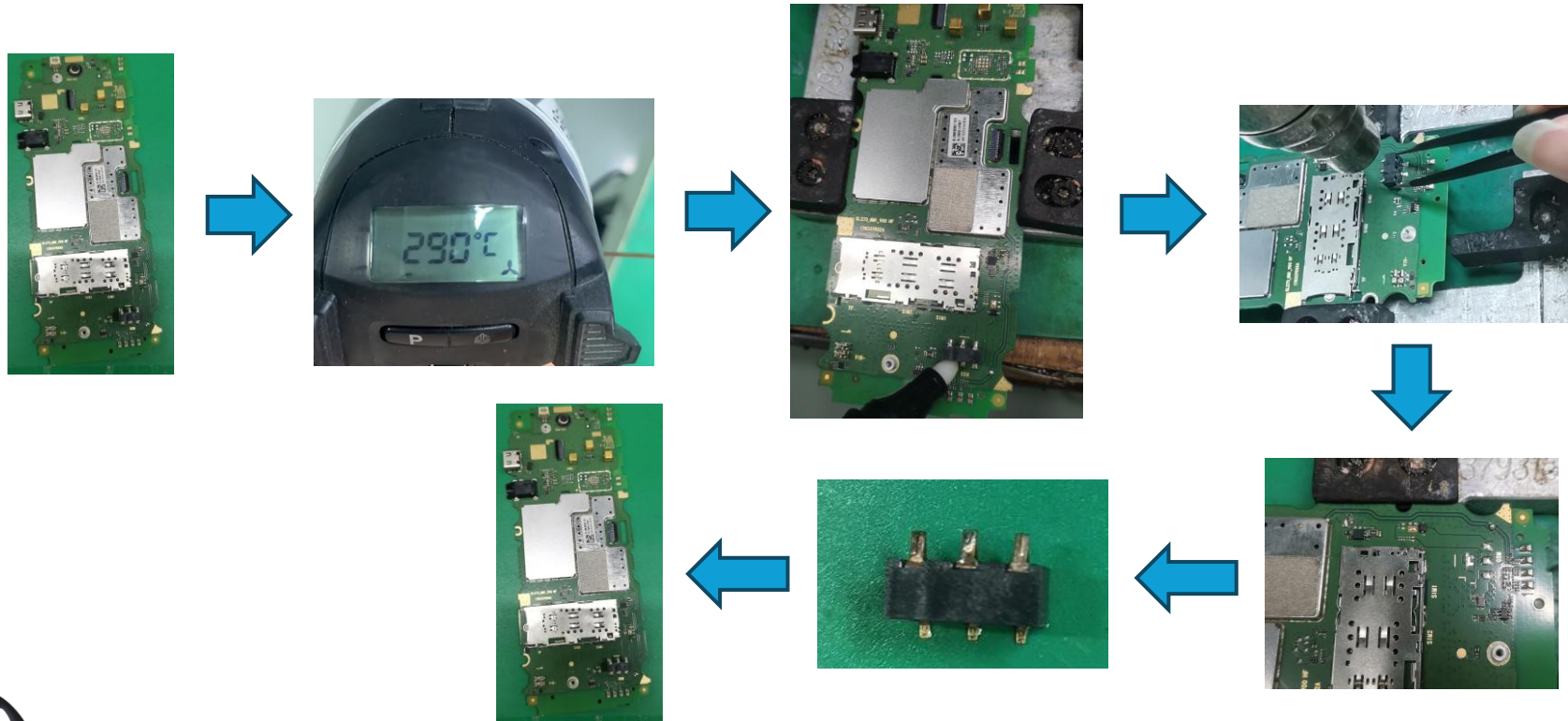
Keep the nozzle 2-3cm away from the material and heat the Battery Connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

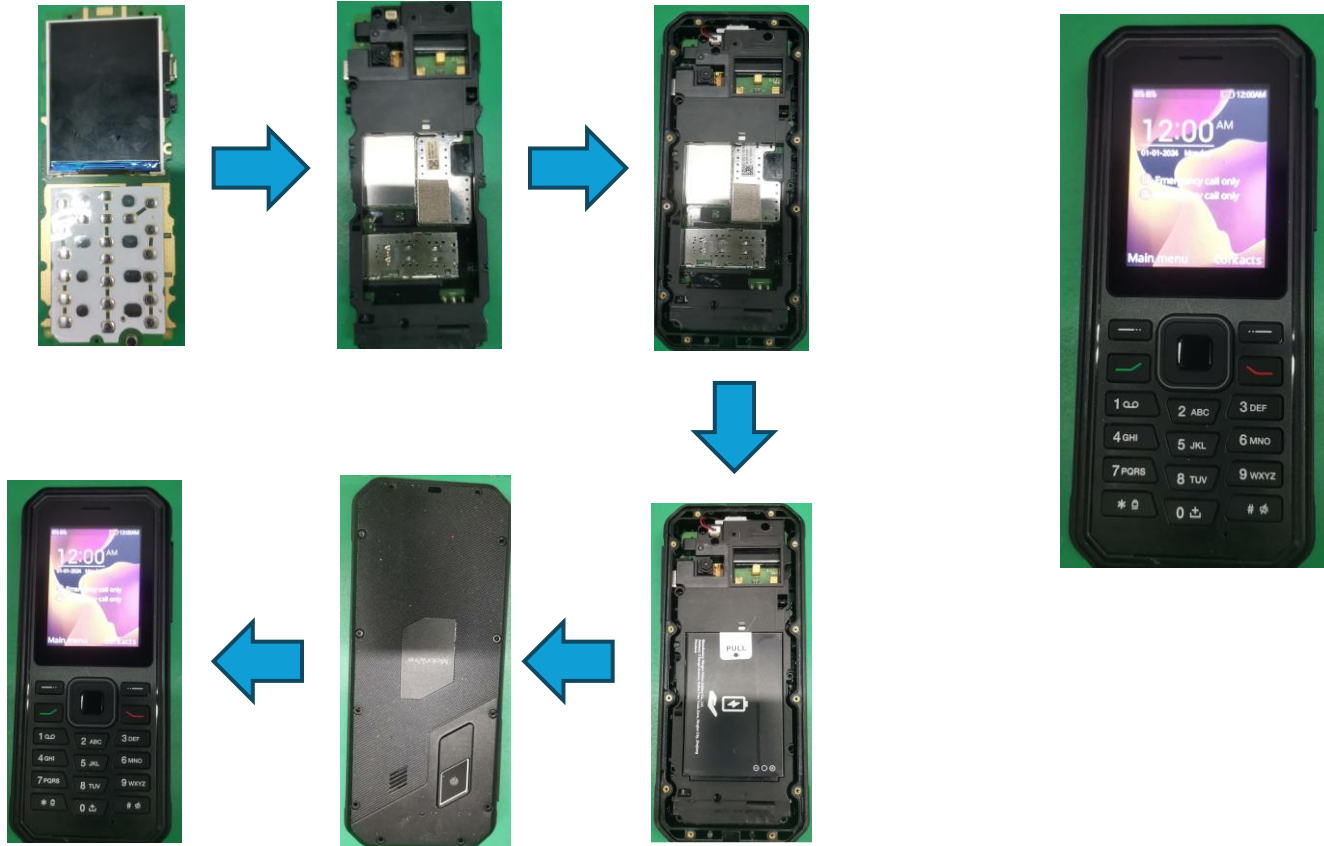


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# Parts that engineer can replace-5. Battery Connector

(6) Assemble machine parts in turn.

(7) Confirm that the mobile phone is powered on normally.



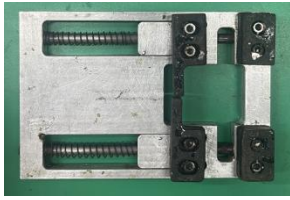
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# Parts that engineer can replace-6. LCD Connector

1.Confirm whether the screen of the mobile phone displays normally after it is powered on.

Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new LCD connector .



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove Remove the flashlight interface, twelve cross screws, card.

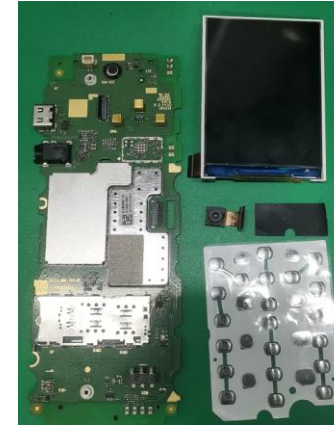


## Parts that engineer can replace-6. LCD Connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-6. LCD Connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

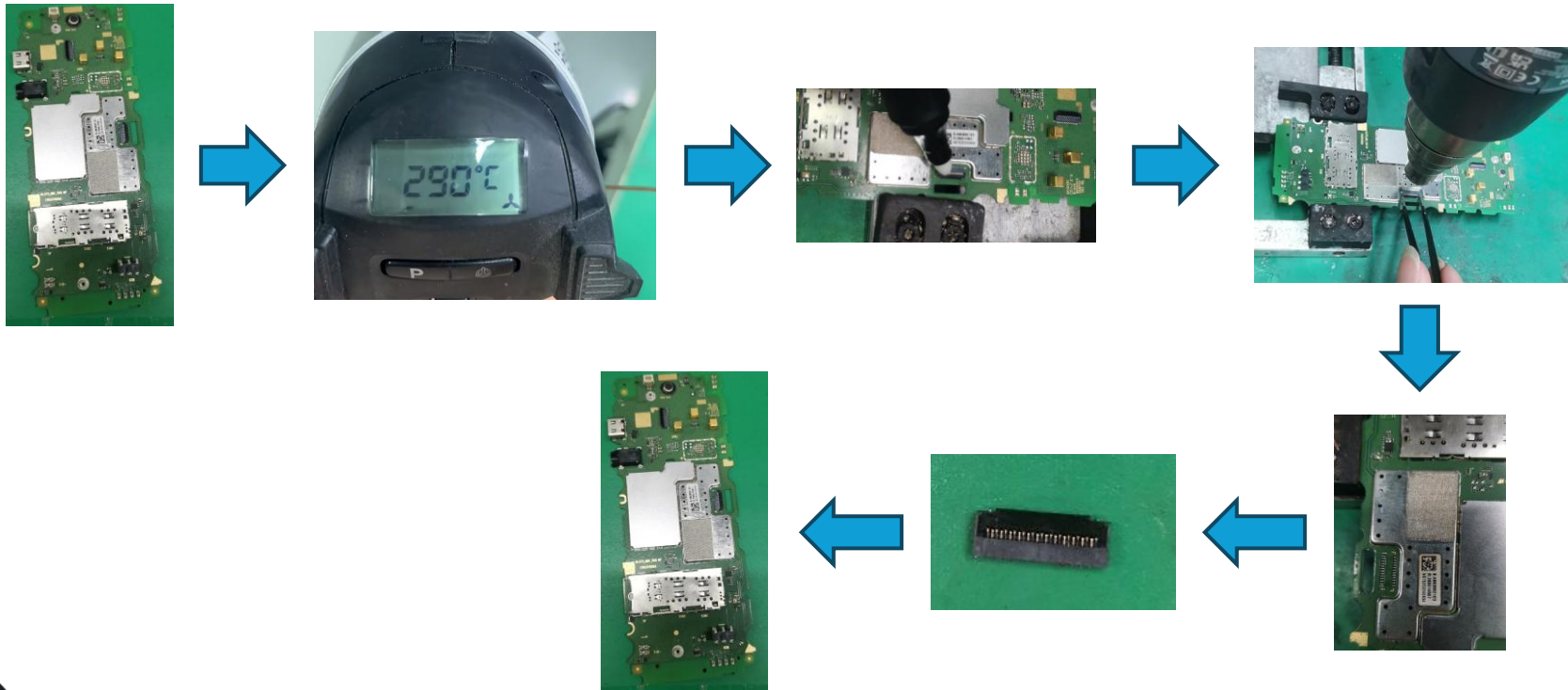
Keep the nozzle 2-3cm away from the material and heat the LCD Connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

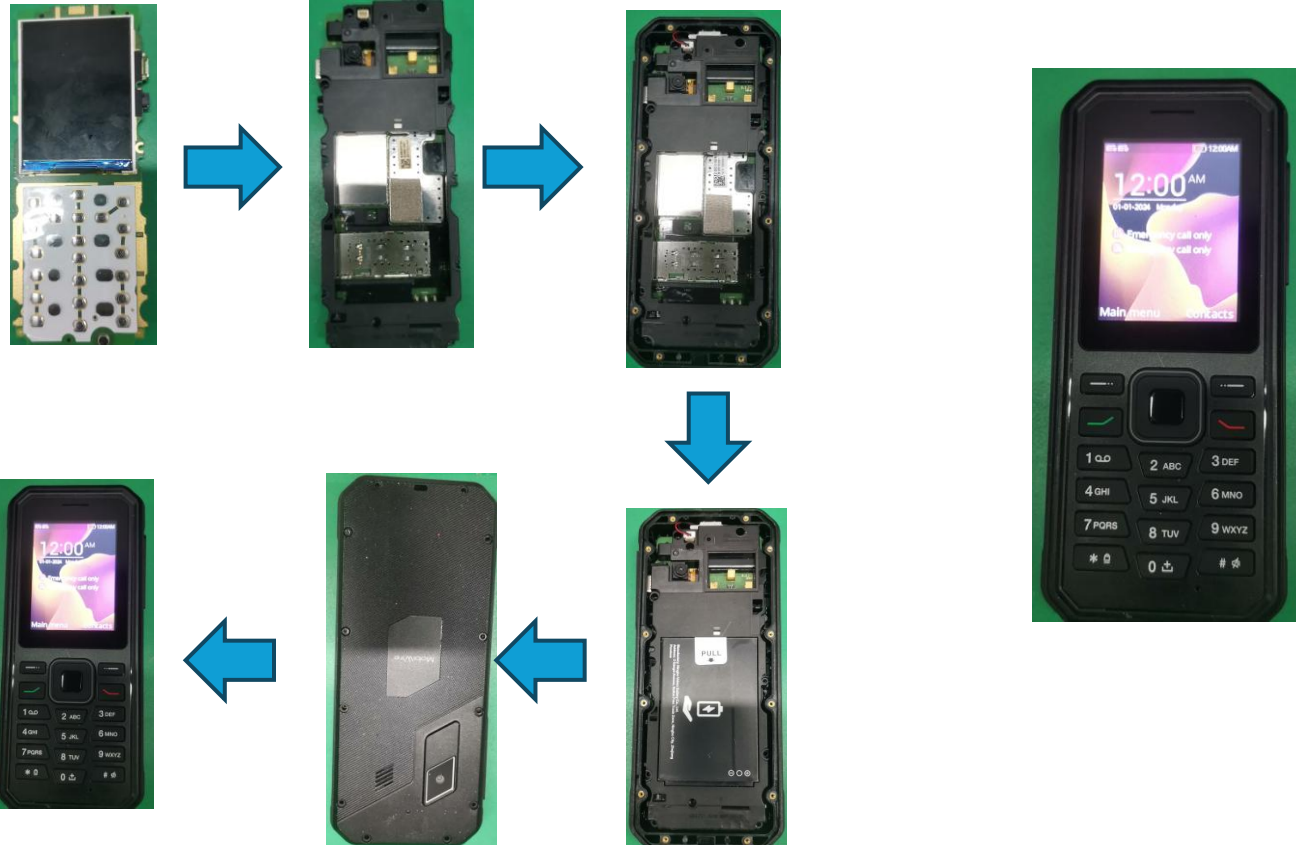


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# Parts that engineer can replace-6. LCD Connector

(6) Assemble machine parts in turn.

(7) Confirm that the mobile phone is power on normally.



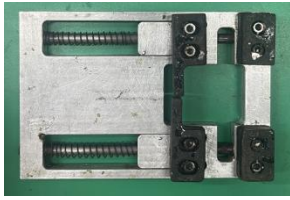
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# Parts that engineer can replace-7. CAM Connector

1. Confirm whether the camera can be opened on normally.

Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new CAM connector.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove Remove the flashlight interface, twelve cross screws, card.

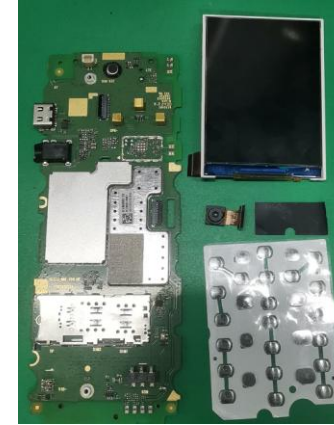


# Parts that engineer can replace-7. CAM Connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-7. CAM Connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

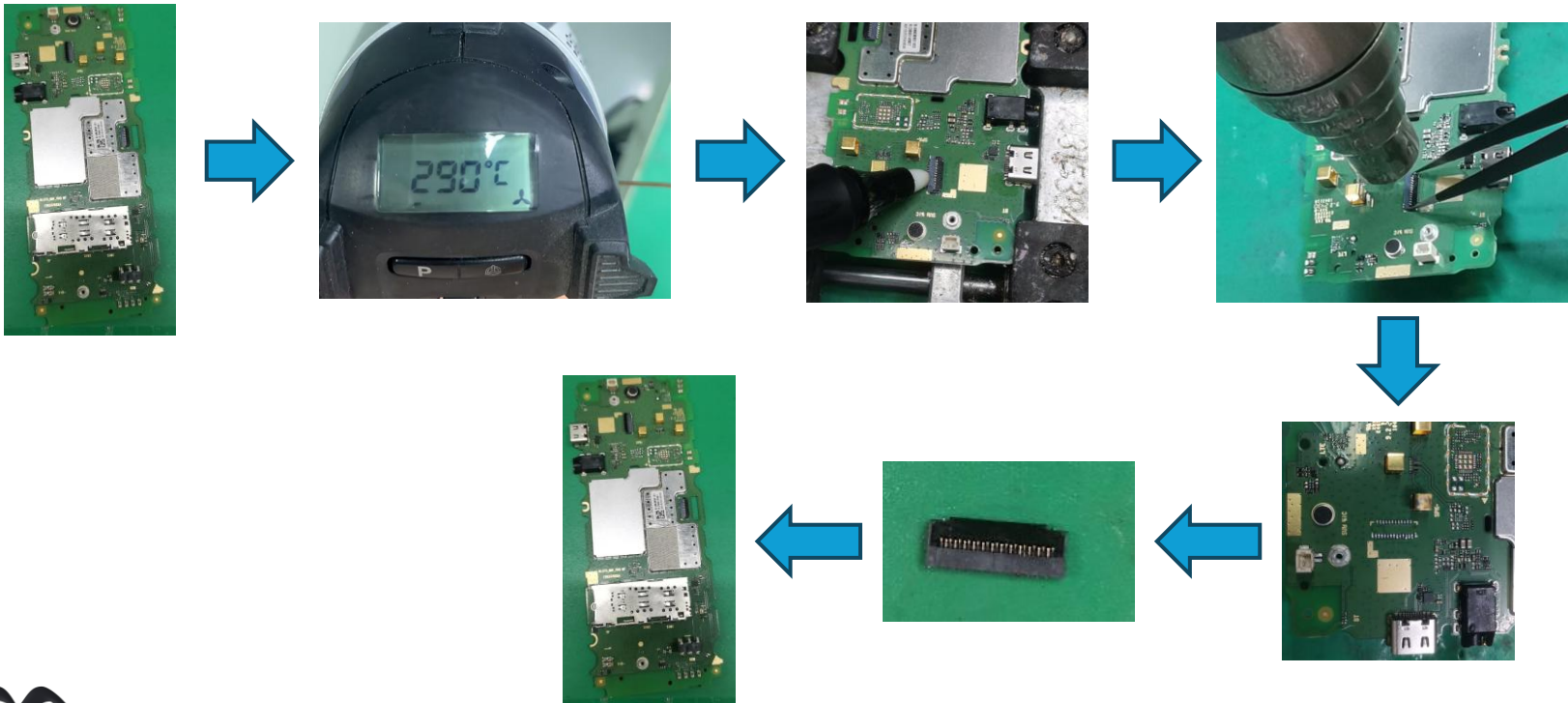
Keep the nozzle 2-3cm away from the material and heat the CAM Connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;



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# Parts that engineer can replace-7. CAM Connector

(6) Assemble machine parts in turn.

(7) Verify that the cammera can be opend normally.



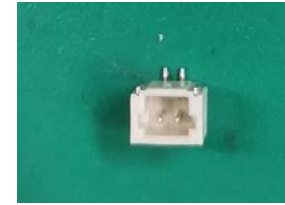
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# Parts that engineer can replace-8. Torch Connector

1. Whether that the torch can be opened normally.

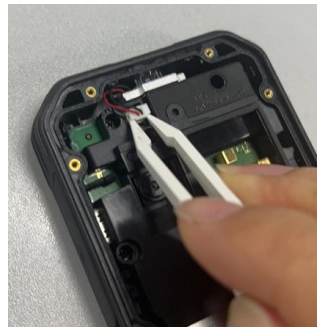
Tools needed: plastic tweezers, Hexagonal screwdriver, Phillips screwdriver, Card needle, Tweezers, heat gun, mainboard fixture, flux, new Torch connector .



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.



(2) Remove Remove the flashlight interface, twelve cross screws, card.



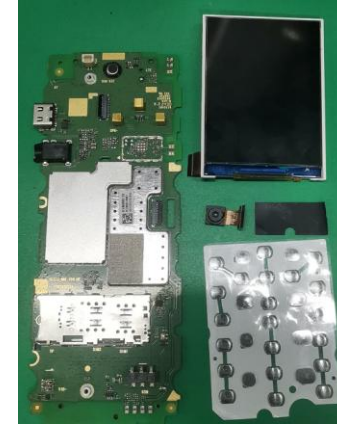
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# Parts that engineer can replace-8. Torch Connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-8. Torch Connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

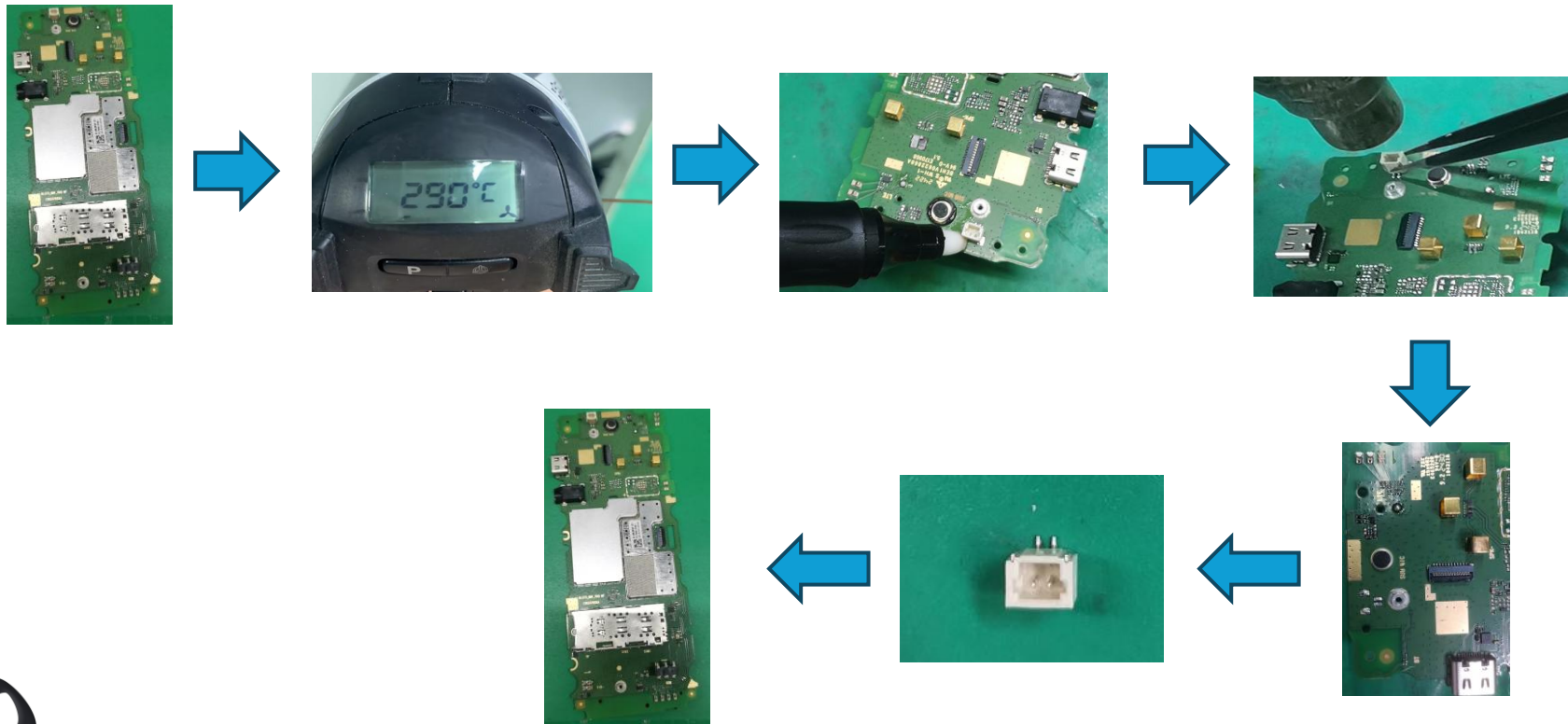
Keep the nozzle 2-3cm away from the material and heat the Torch Connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

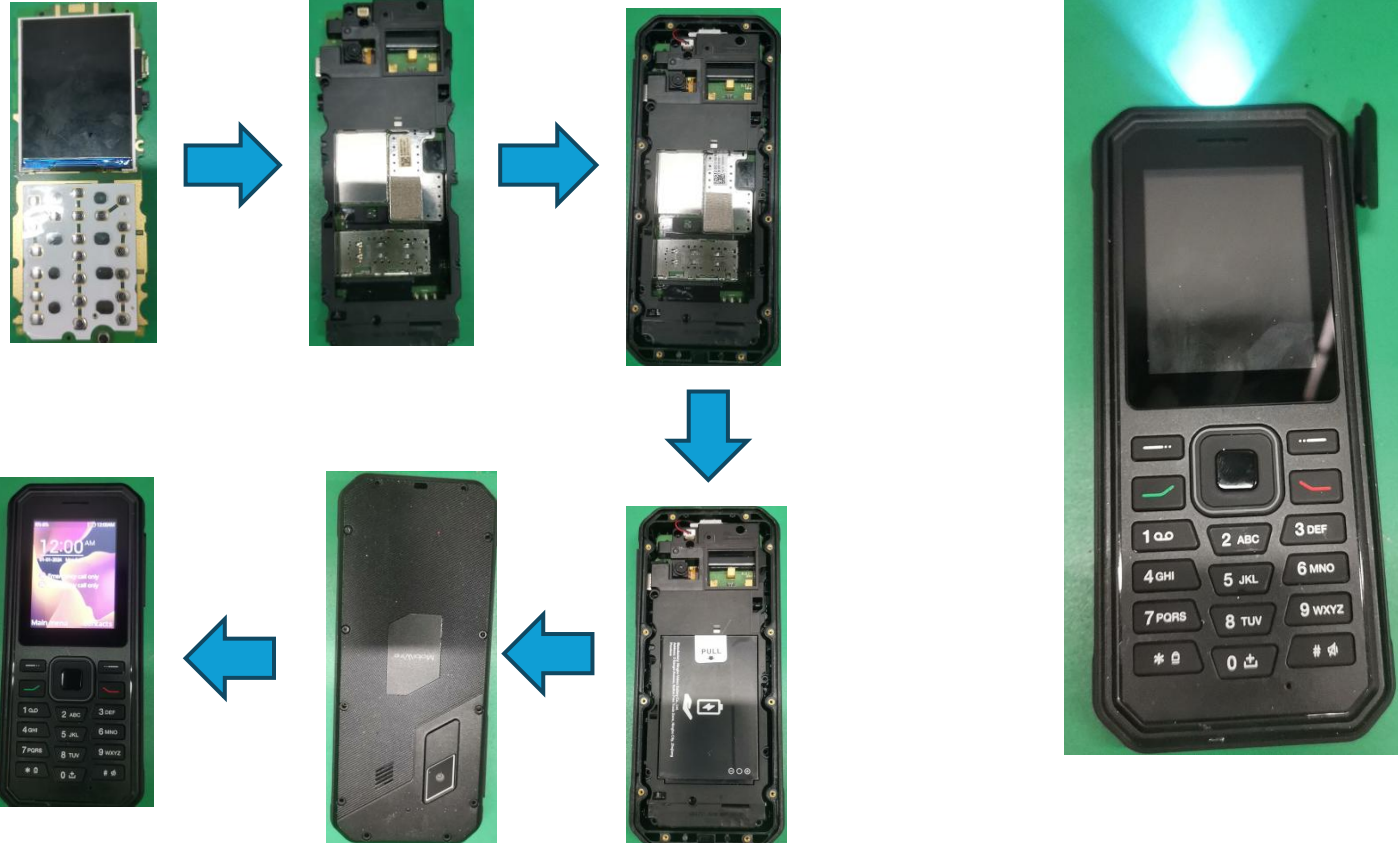


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# Parts that engineer can replace-8. Torch Connector

(6) Assemble machine parts in turn.

(7) Verify that the torch can be opened normally.

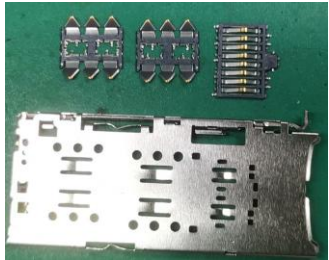
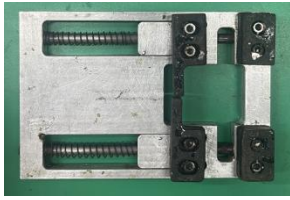




# Parts that engineer can replace-9. SIM Connector

1. Whether that the SIM card can be recognized normally.

Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new SIM connector.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove Remove the flashlight interface, twelve cross screws, card.

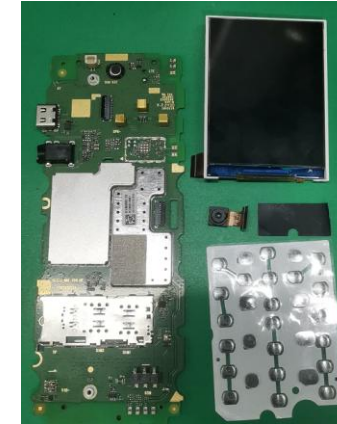


# Parts that engineer can replace-9. SIM Connector

(3) Separate the lower housing,remove the mainboard



(4) Pick the the LCD connector with plastic tweezers,separate the LCD and main board using the dismantling sheet,remove CAM and the keypad dome,remove the black insulating tape at the back of the earphone socket connector.



# Parts that engineer can replace-9. SIM Connector

(5).The mainboard is placed in the fixture;

Adjust the heat gun temperature to 290°C, set the wind speed to 1;

Apply a small amount of flux around the material to be replaced;

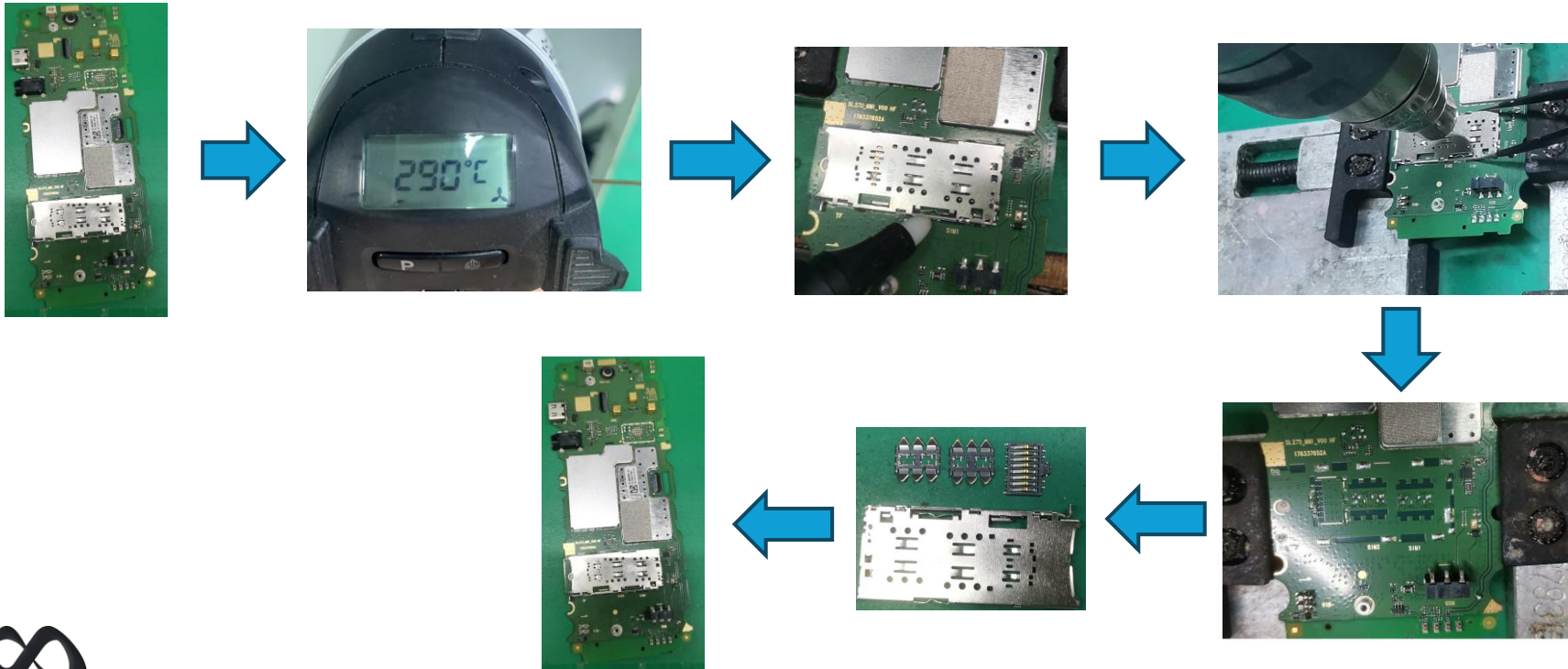
Keep the nozzle 2-3cm away from the material and heat the SIM Connector for about 3min;

Use tweezers to remove the material to be replaced smoothly;

Apply a small amount of flux around the material pad to be replaced

Heat the pad for about 2min, place the new material on the pad, and continue heating for 2min;

Welding completed;

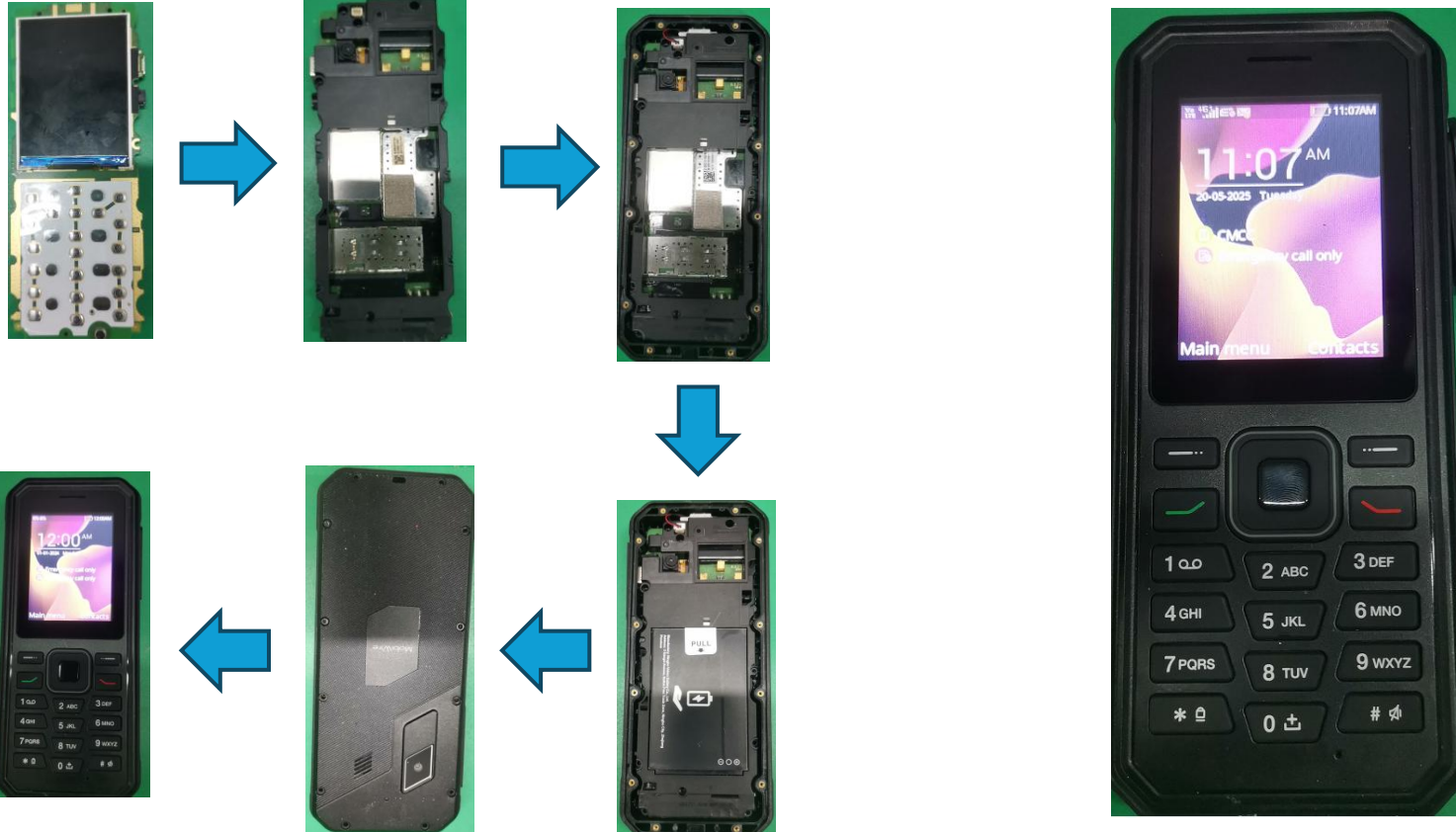


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# Parts that engineer can replace-9. SIM Connector

(6) Assemble machine parts in turn.

(7) Verify that the SIM card can be recognized normally.



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# Parts that engineer can replace-10. Receiver

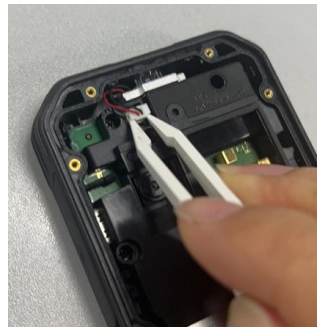
1. Confirm whether the receiver is working properly.

Tools needed: plastic tweezers,Hexagonal screwdriver,Phillips screwdriver,Card needle,Tweezers,heat gun, mainboard fixture,flux,new receiver.



(1) Remove the twelve screws , Remove the battery cover and the battery. Disconnect the power supply.

(2) Remove the flashlight interface, twelve cross screws, card. Separate the lower housing,remove the flashlight.



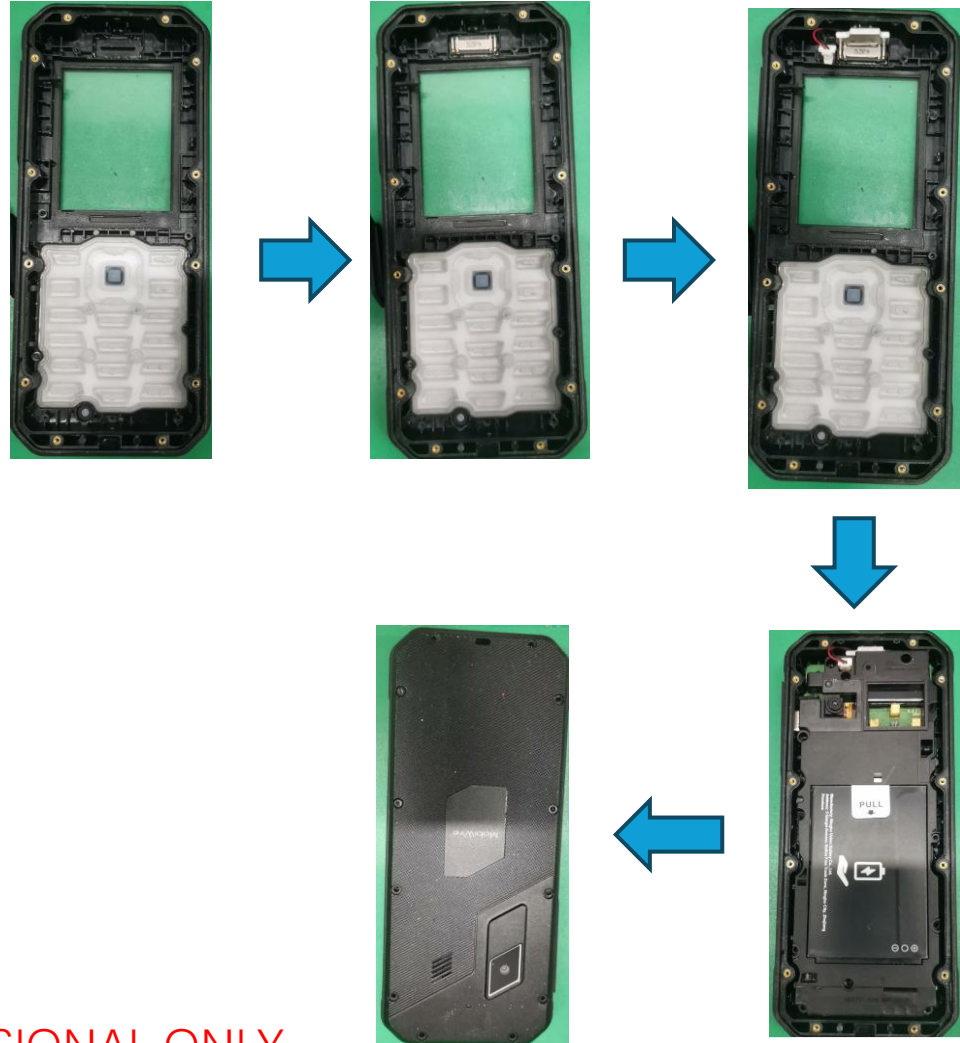
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# Parts that engineer can replace-10. Receiver

(3) Remove the broken receiver and dustproof net.



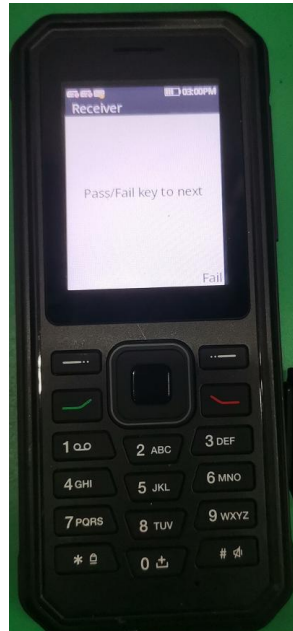
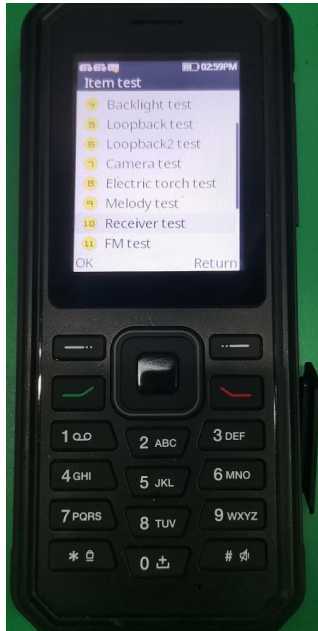
(4) Install new dust-proof nets and new receiver, and then apply special glue around the receiver, assemble machine.



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# Parts that engineer can replace-10. Receiver

(5) Input \*#15963# on the boot main interface, select "Item test" - "Receiver test", listen to whether there is any sound, if so, pass.



# Parts that engineer can replace-11. Speaker

1. Confirm whether the Speaker is working properly.

Tools needed: plastic tweezers, Hexagonal screwdriver, Phillips screwdriver, Card needle, Tweezers, heat gun, mainboard fixture, flux, new speaker and dustproof net.



(1) Remove the twelve screws , Remove the battery cover .



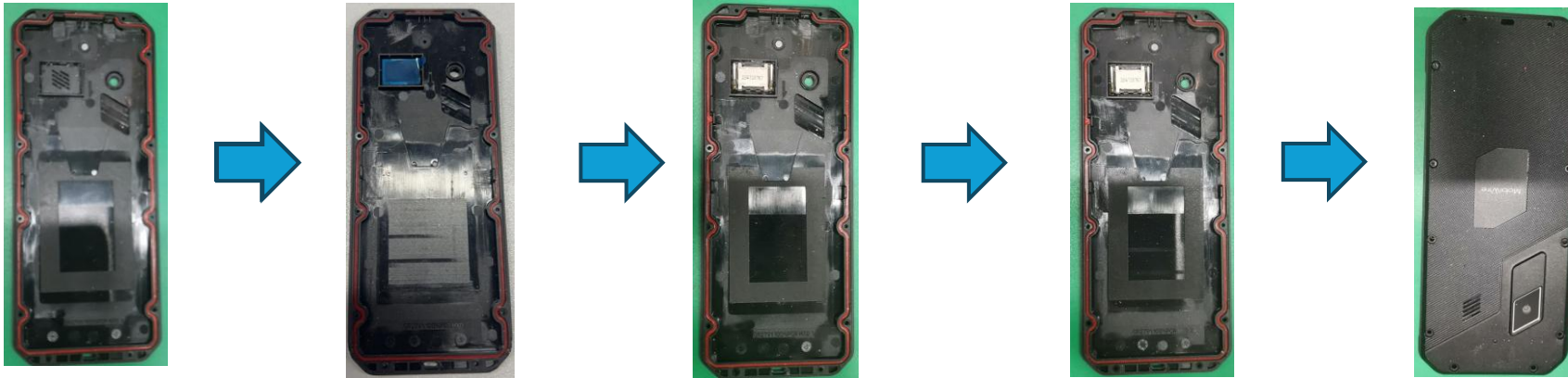
(2) Remove the broken speaker and dustproof net.





# Parts that engineer can replace-11. Speaker

(3).Install new dust-proof nets and new speakers, and then apply special glue around the speakers, assemble machine.



# Parts that engineer can replace-11. Speaker

(4) Make sure the phone speaker is working properly, for example, enter FM to see if there is any sound.



# Thank you