

Introduction:

The Final test has to be performed as a repair quality inspection after L1/L2/L3 service activities.

All tests have to be done in an easy usable way to get a simple result if function works or not (OK/Not OK). These are minimum requirements with/without refurbishments.

Operating Conditions 'Visual Inspection Standards':

- Illumination: 800lux-1100lux
- Distance: The distance from naked eye to the tested surface is 30cm;
- Time: Confirm the defects in 5 seconds;
- Angle: Line of sight and the tested surfaces within the scope of the 45-90 degrees rotation

Visual Inspection:

- IMEI Check : Power On the handset & Verify Internal & External IMEI
- Check if assembly is completed (Screws, Covers...)
- Check is movable parts (Ex: SD, USB Door, Sim Doors) are working correctly.

At the phone power off condition, press the volume key and power key together to enter the factory mode, then press the key of volume-down to choose auto test, Manual test or Single test.

Auto test

1. TP touch auto test
2. EMMC
3. Memory card (if didn't insert memory card, it will fail here)
4. Search SIM card (if didn't insert SIM card, it will fail here)
5. Signal detection (if didn't insert SIM card, it will fail here)
6. Real time clock
7. Mobile phone speaker mic circuits
8. Receiver
9. Rear camera
10. Front camera
11. GPS locating (GPS locating need about 5 minutes)
12. FM radio (it will remind to insert earphone)
13. BT
14. WI—FI
15. Battery and charger (if didn't connect charger, it will fail here)

Test report: If any fail item here, we advise to re-test the fail item in single test mode

Manual Test

1. Keypad test (power\volume down\ volume up)
2. TP test (CTP test/ free touch screen test)
3. Backlight class (Display images/change the brightness)
4. Vibrator
5. The speaker OC test
6. Earphone
7. G-sensor
8. Acceleration sensor calibration (The phone flat on the table, waiting for the calibration, when finish it will appear successfully word)
9. Light distance sensor
10. Flash light

Single test

1. Keypad test (power\volume down\ volume up)
 2. TP test (CTP test/ free touch screen test)
 3. TP auto test
 4. Backlight class (Display images/change the brightness)
 5. eMMC
 6. Memory card
 7. sim card search (need insert SIM card)
 8. signal search (not easy to pass, need optimize, need insert SIM card)
 9. Vibrator
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10. Real-time clock (no sound)
11. Mobile phone speaker mic circuits
12. Receiver
13. The speaker OC test
14. Earphone (need insert earphone)
15. G-sensor
16. Acceleration sensor calibration (The phone flat on the table, waiting for the calibration, when finish it will appear successfully word)
17. Light distance sensor
18. Flash light
19. Rear camera
20. Front camera
21. GPS locating
22. FM Radio
23. BT
24. WI—FI
25. Battery and charger
26. Idle current (screen is off)

Function test on normal condition

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|----|---|
| NO | Function testing on normal condition |
| 1 | Phone Camera photo testing: Menu->Camera->Take photo->Photo auto stored->Check if the photo is ok->delete the photo. |
| 2 | Phone Camera Video testing: Menu->Camera->Take video->Video auto stored->Check if the video is ok->delete the video |
| 3 | Music play testing: Menu->Music->find the music file and check if the music playing normally. |
| 4 | USB testing and charging testing: Use the USB cable to connect the phone to the power, check if the battery charging normally. Then use the USB cable connect the phone to the computer to confirm if the data trasfer is normal. |
| 5 | WIFI testing: Menu->Setting->Open wifi->click the wifi setting to confirm if the wifi connection is ok |
| 6 | BT testing: Menu-> Setting->Open BT->click the BT setting to confirm if the BT connection is ok |
| 7 | FM testing: Menu->Choose FM-> Insert the earphone to check if the FM channel work normally. |
| 8 | GPS testing: Menu->Setting->Location information access permission-Click access permission->Turn back to main menu, then open the map to check if the positioning is ok |

Check SW version – If found old software, Plz Re-flash the SW

Thanks

For any query or suggestion please write to tech.help@micromaxinfo.com