

Model: SM-A720F Revision: 0.4E

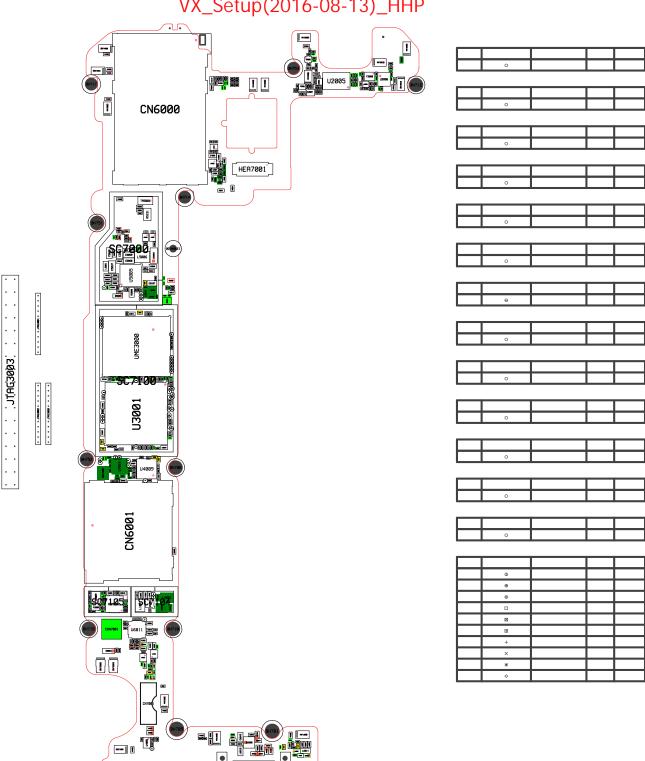
Manufacture Count: 100

Charge : 윤택한

Contact: 01099595699

Date: 11월 28일 Routing: O Resin: 0





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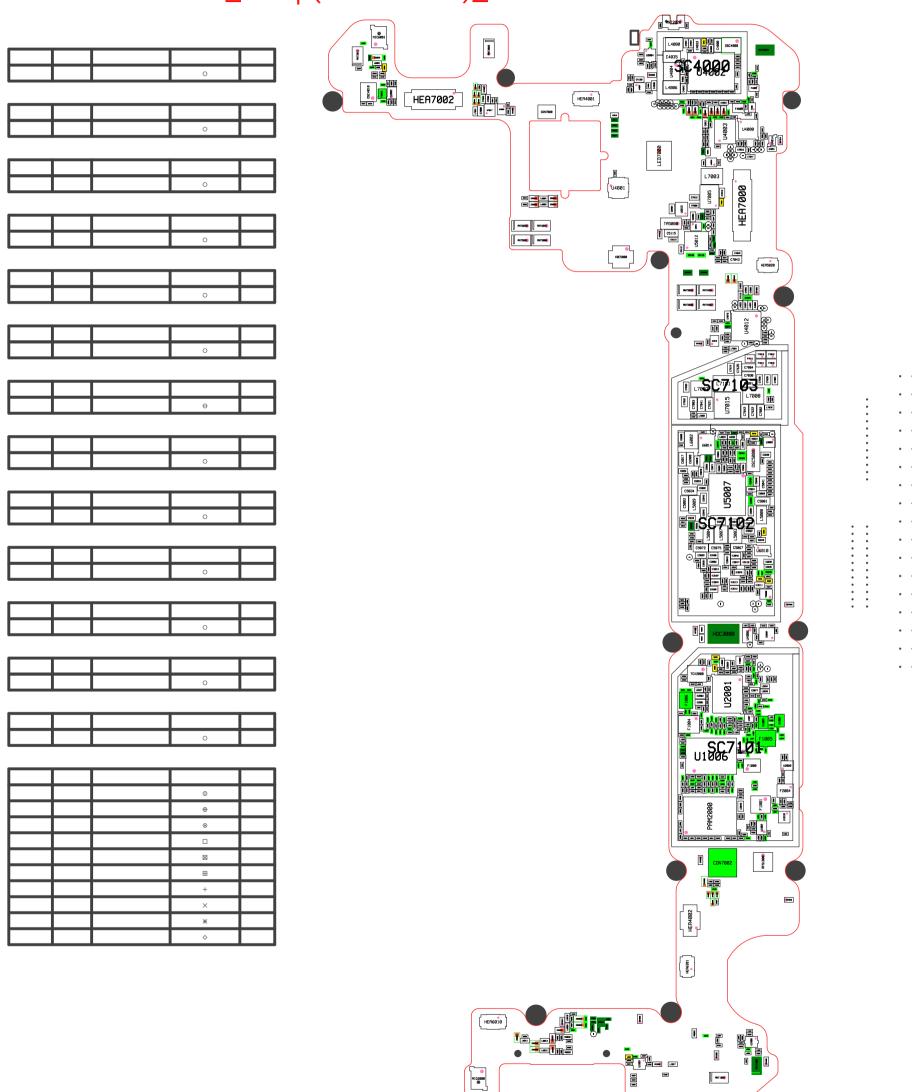
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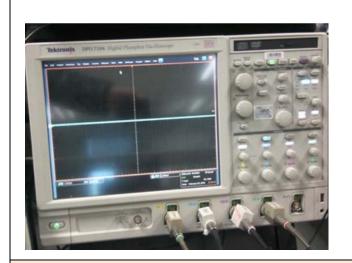
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VX_Setup(2016-08-13)_HHP



8-3. Flow chart of Troubleshooting.





Oscilloscope

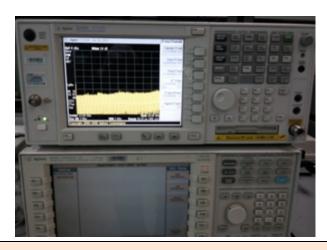
Digital Multimeter





Power Supply

+ driver, ESD Safe Tweezer



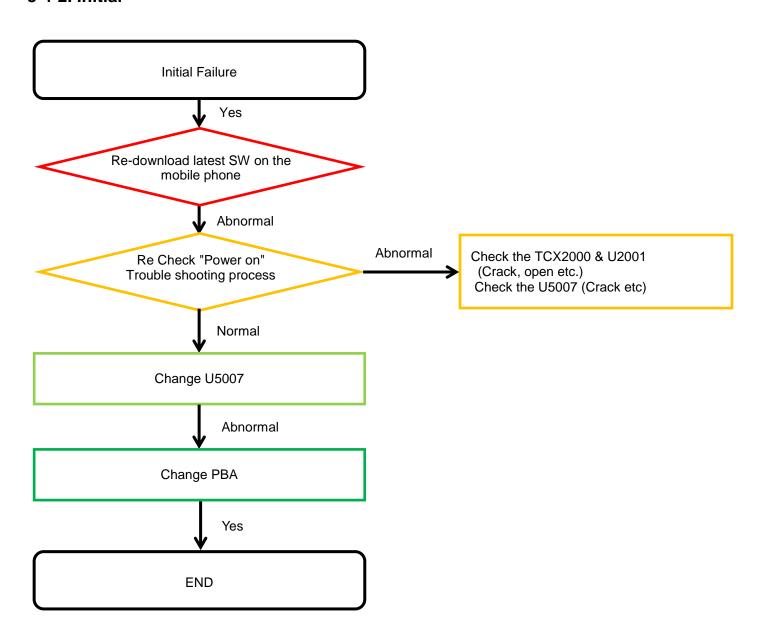


8960 & Spectrum Analyzer

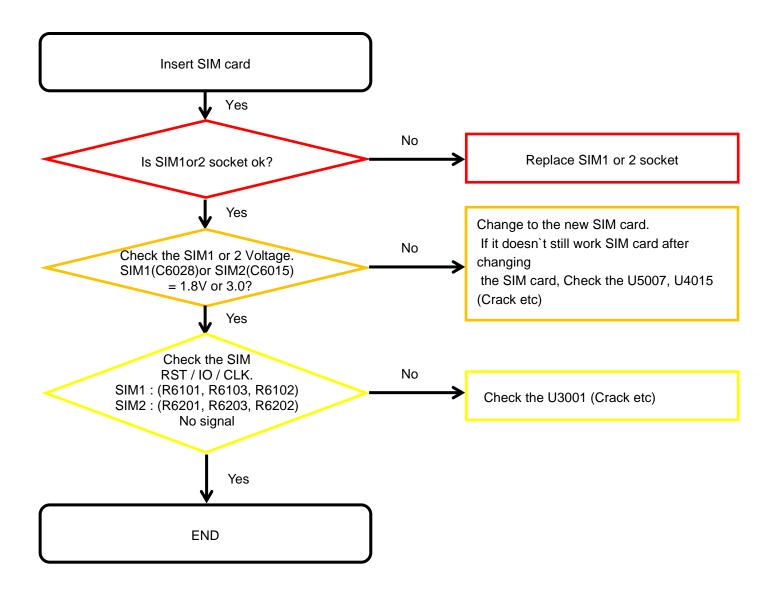
Soldering iron

8-4-1. Power On Mobile phone does not power on. Yes Charging the battery by TA. No If its voltage level is extremely low Check the Battery Voltage. (under 3.0V), Is it more than 3.8V? Change the battery. Yes Power-on the phone and check Yes the power-on sound Change the FRONT-LCD ASSY or motor Vibration. Sound or Vibration is ok? No Check the voltage level at No Replace the Power key FPCB R5800 while pressing power key. Is the voltage high? Check the output voltage of U5007 L5003 > 0.8V, L5004 > 0.8V, L5007 > 0.8V, L5008 > 1.35V, L5009 > 2.0V, C5000 > 0.9V, C5002> 1.8V, C5003 > 1.1V, C5004 > 1.1V, No C5005 > 1.2V, C5007 > 3.0V, C5008 > 0.8V, Check the signal of C5009 > 0.8V, C5010 > 0.8V, C5011 > 1.8V, $PMIC_PWR_HOLD = 1.8V$ C5012 > 1.2V, C5801 > 1.0V, If the output voltage is not normal, Change the U5007. Yes Each voltage level has ±10% margin. No Check the Clock TCX2000 & U2001 Replace the TCX2000 & U2001 Is the frequency 26MHz? * Test condition (Oscilloscope setting) : 20.0us.div (time division) Yes Check the initial operation Yes **END**

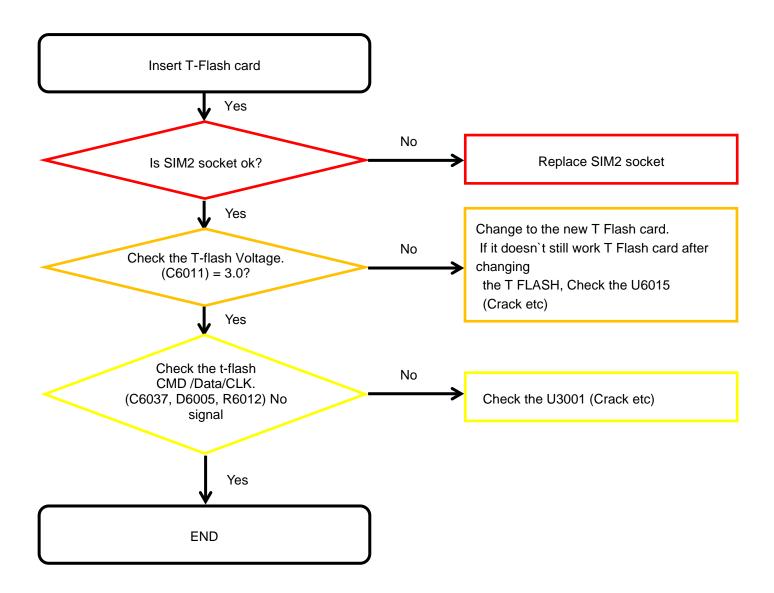
8-4-2. Initial



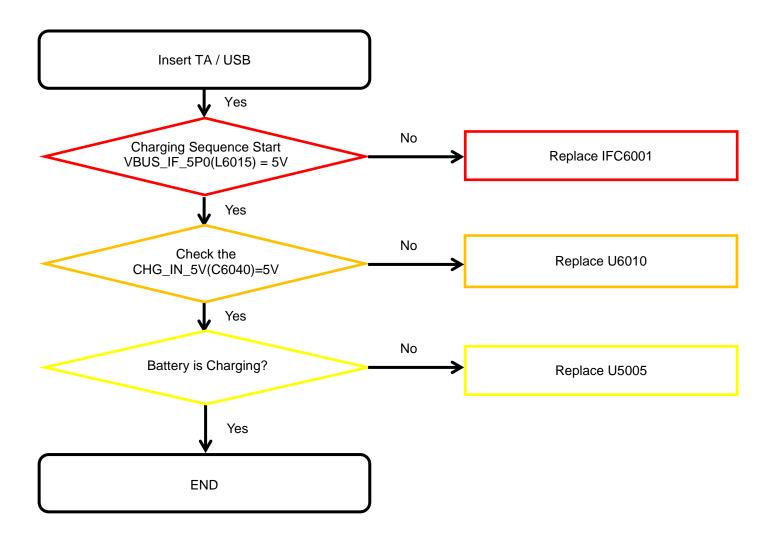
8-4-3. SIM Part



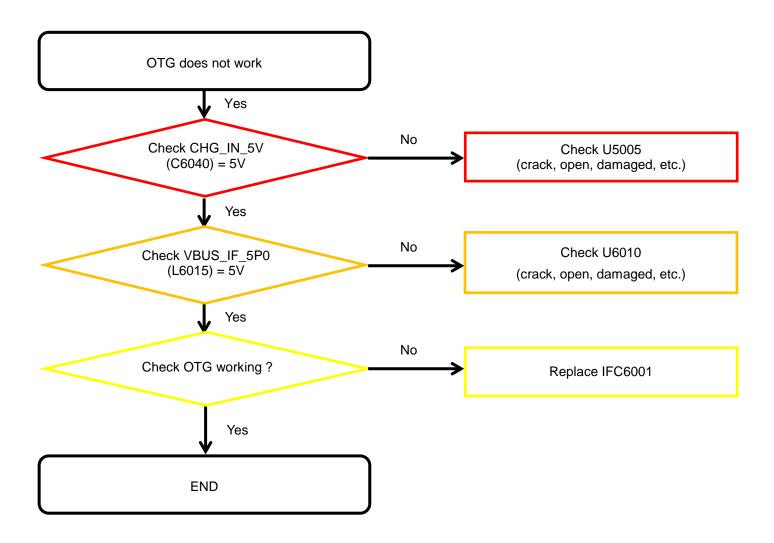
8-4-4. T-Flash Part



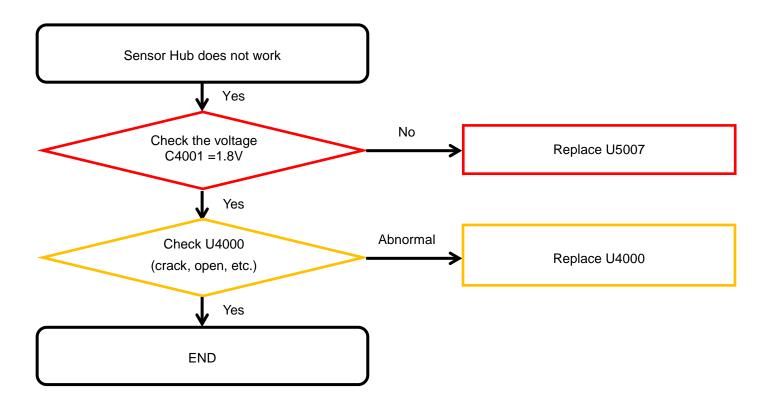
8-4-5. Charging Part



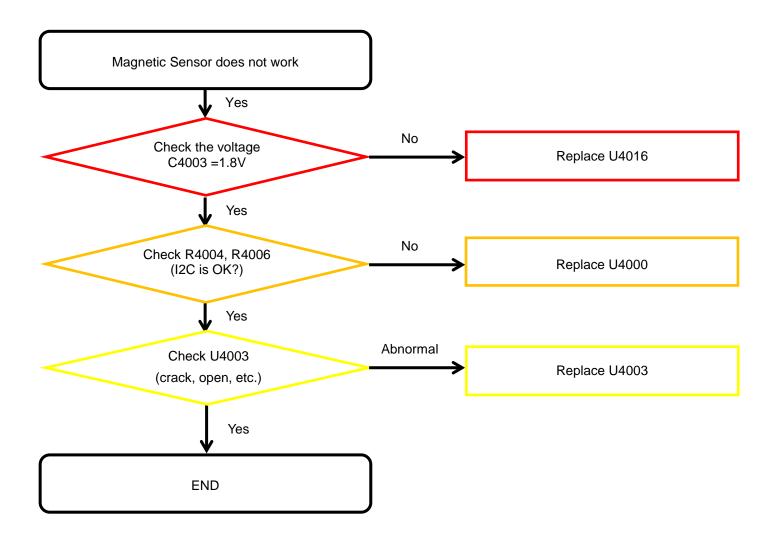
8-4-6. OTG



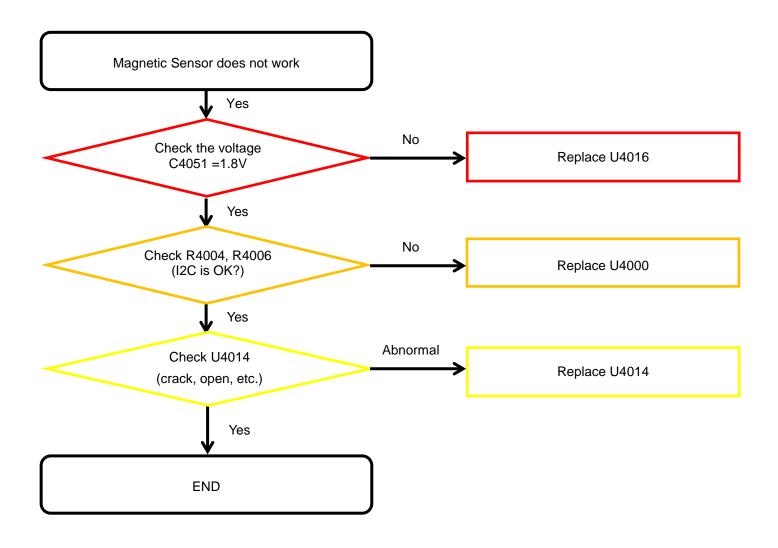
8-4-7-1. Sensor Hub



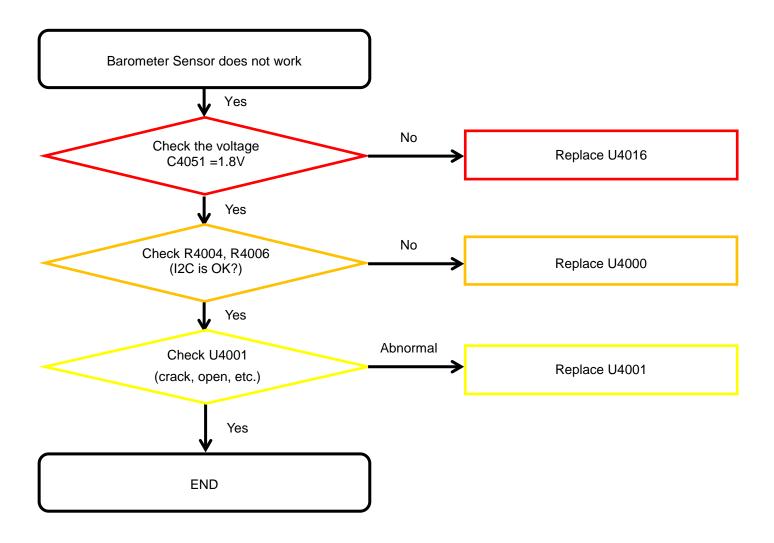
8-4-7-2. Magnetic Sensor



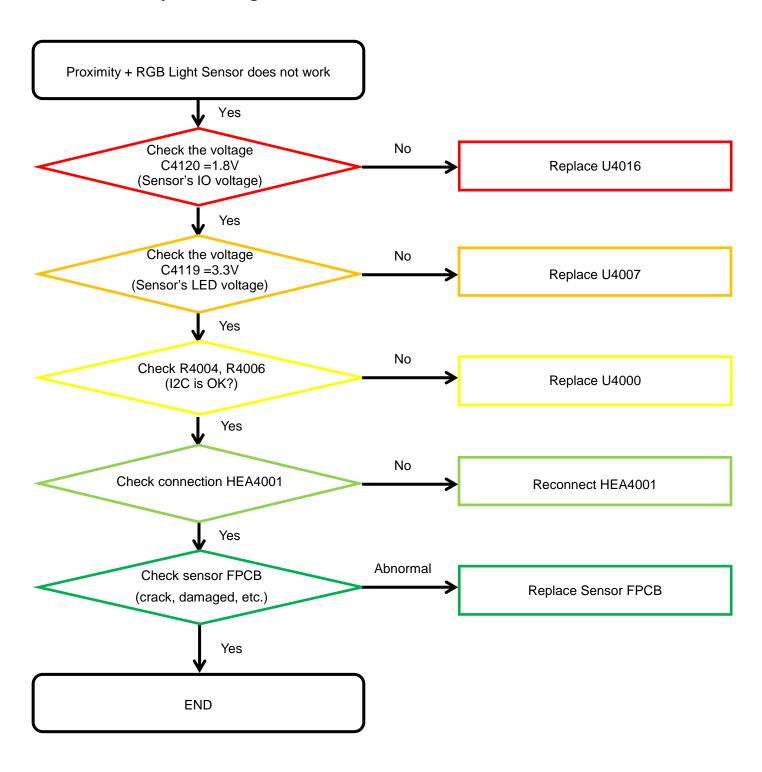
8-4-7-3. 6Axis Sensor



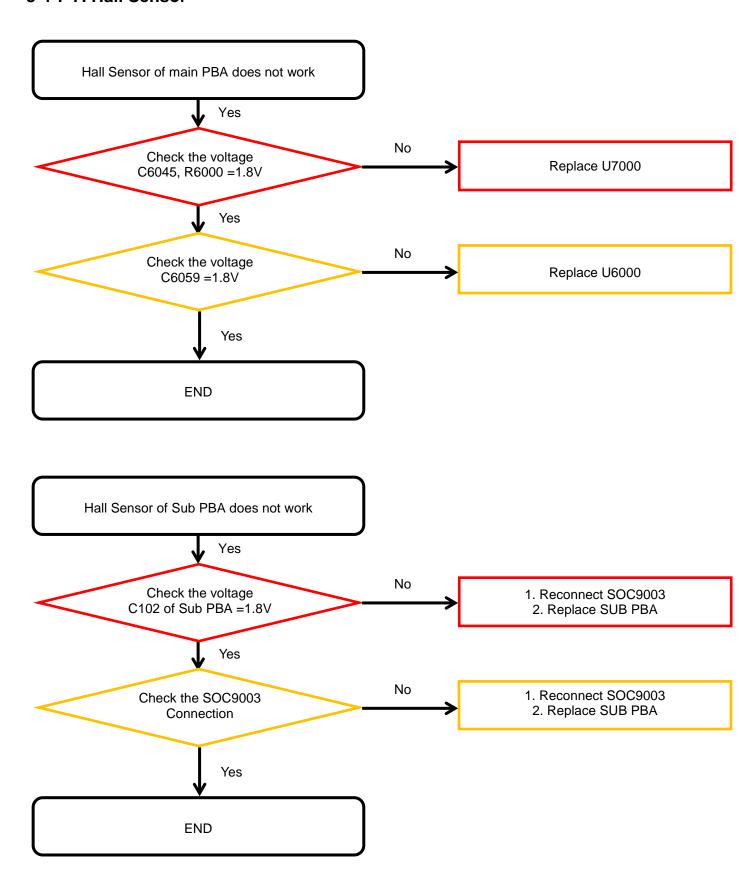
8-4-7-4. Barometer sensor



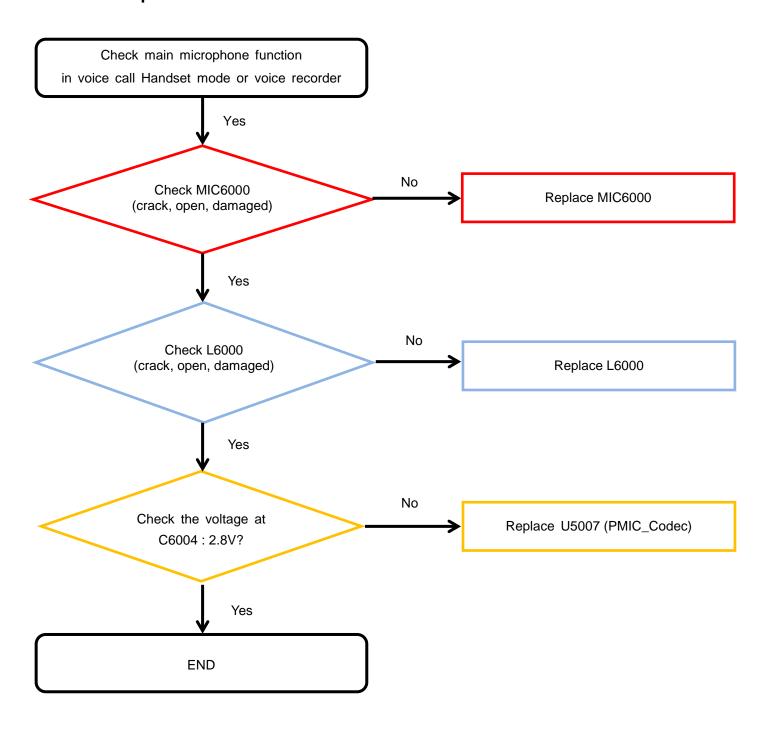
8-4-7-5. Proximity + RGB Light sensor



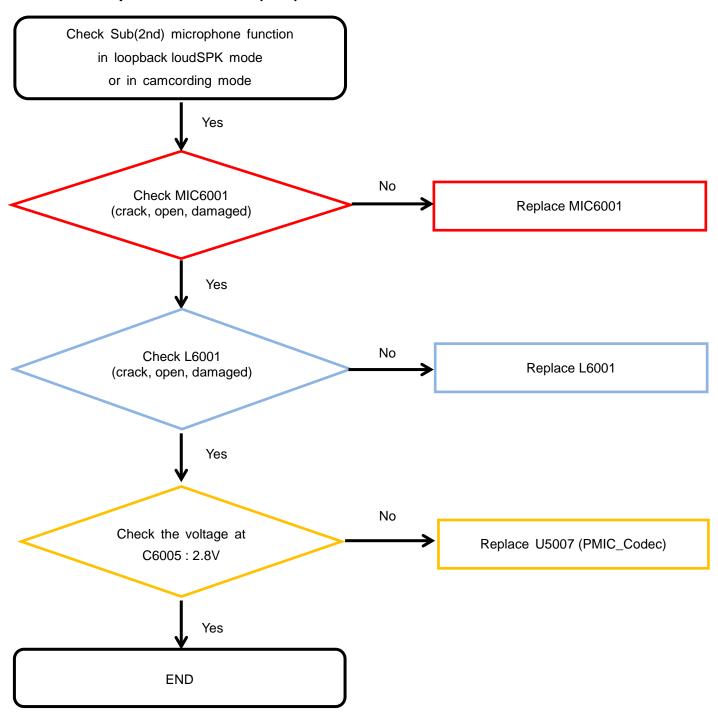
8-4-7-7. Hall Sensor



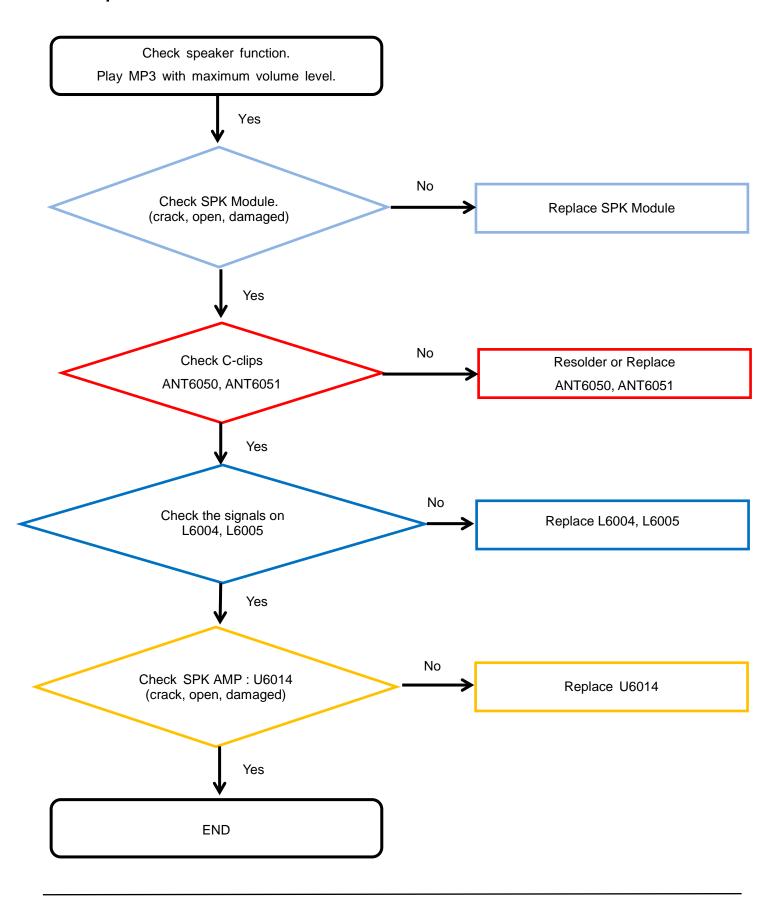
8-4-8-1. Microphone Part - Main MIC



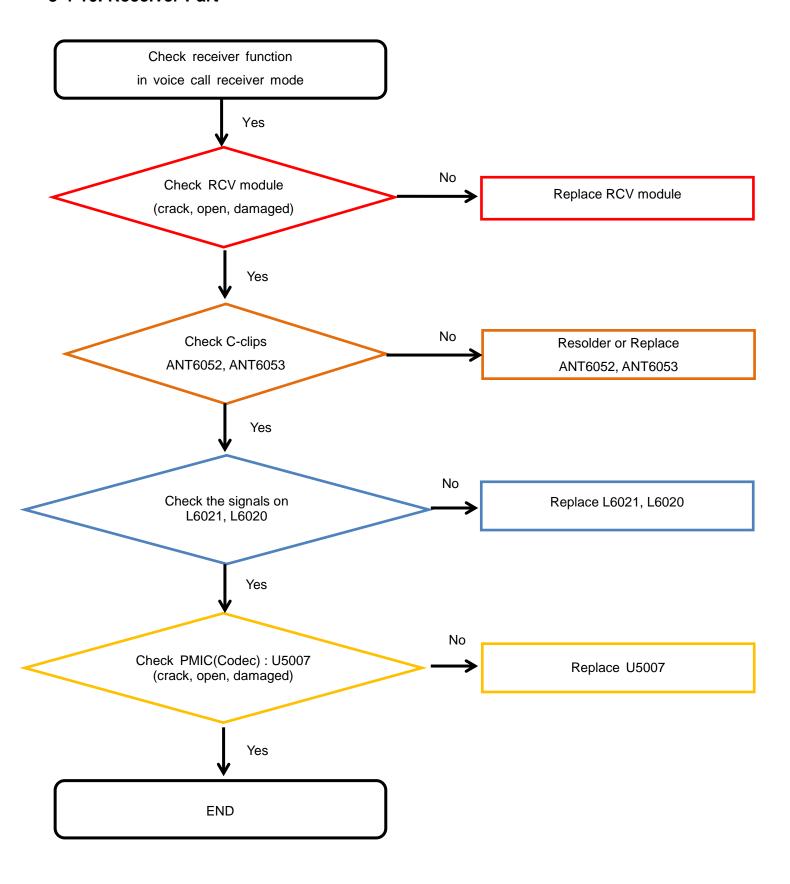
8-4-8-2. Microphone Part - Sub(2nd) MIC



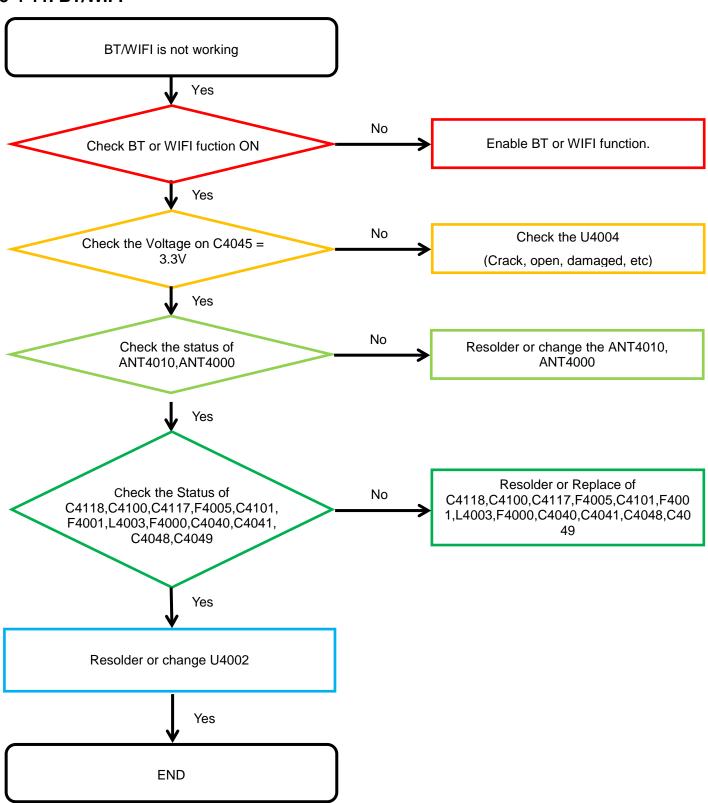
8-4-9. Speaker Part



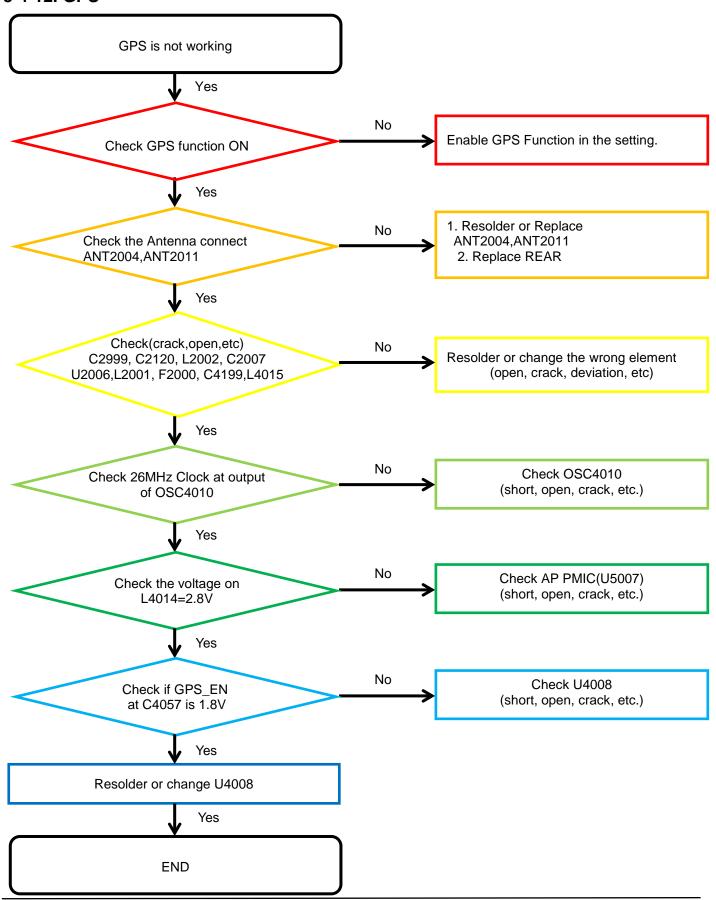
8-4-10. Receiver Part



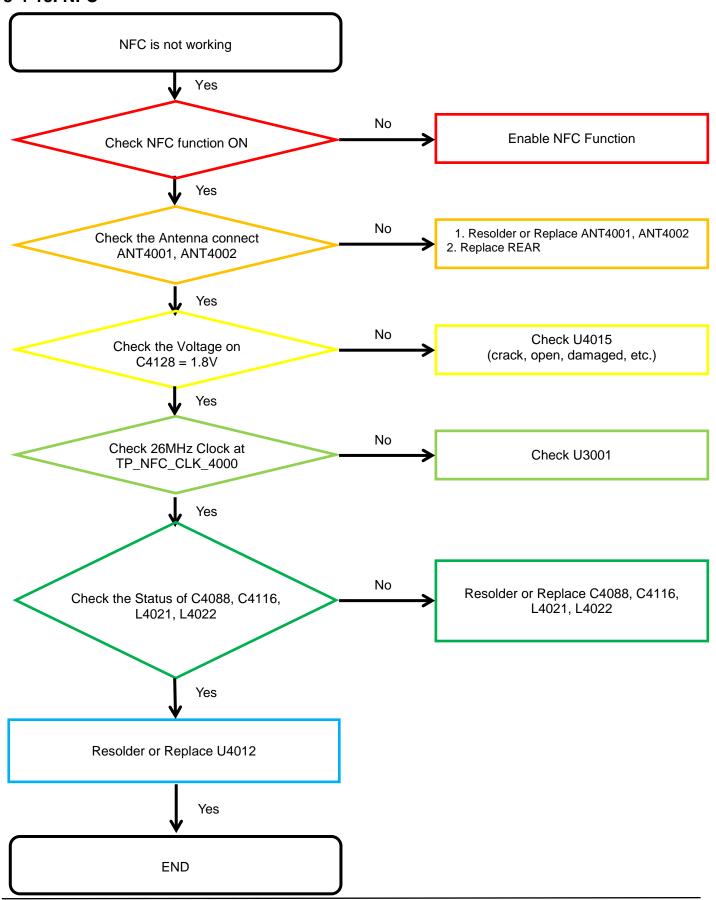
8-4-11. BT/WIFI



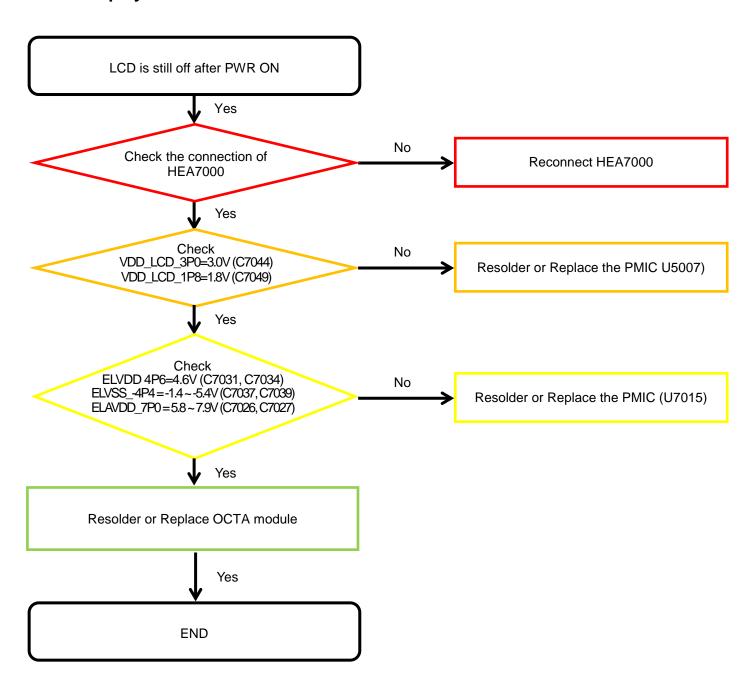
8-4-12. GPS



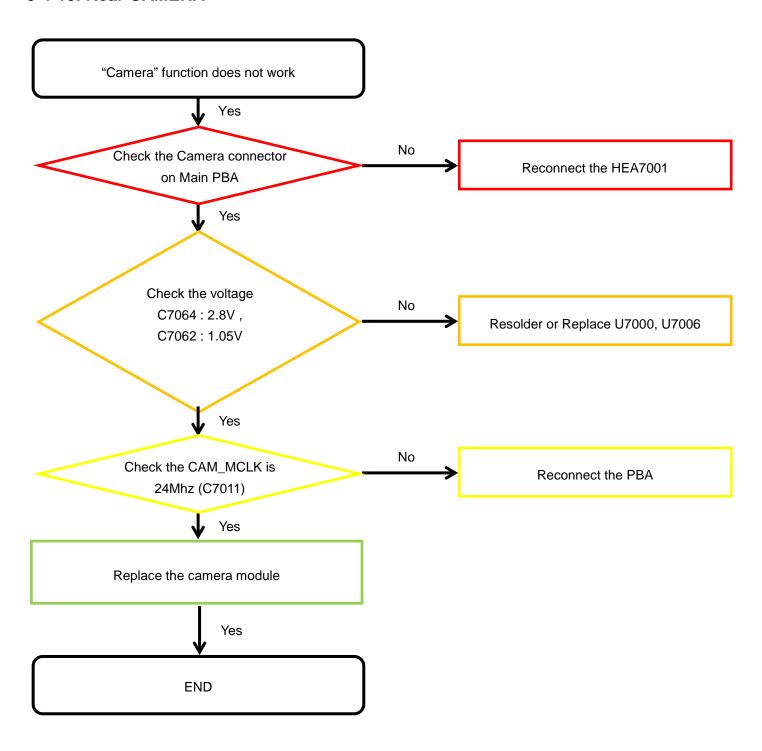
8-4-13. NFC



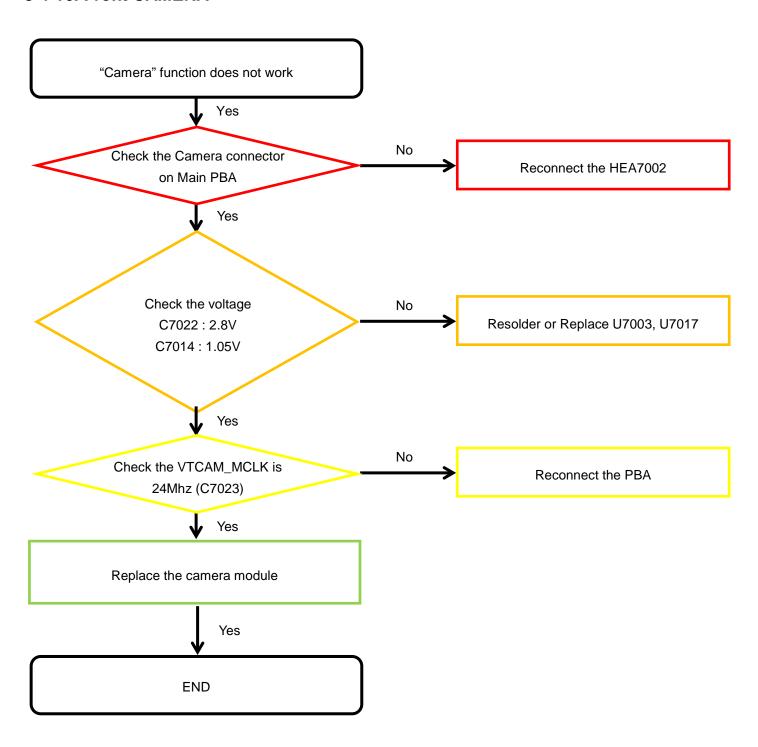
8-4-14. Display



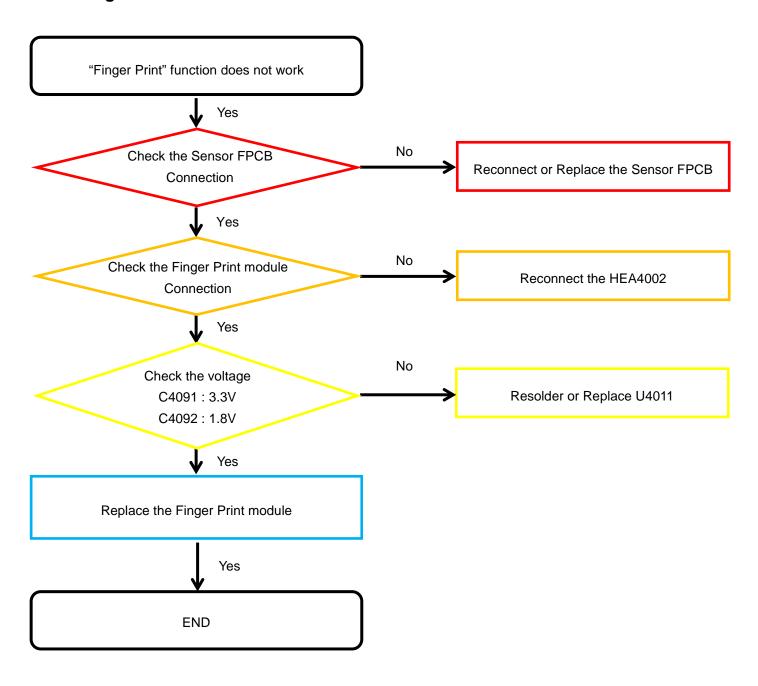
8-4-15. Rear CAMERA



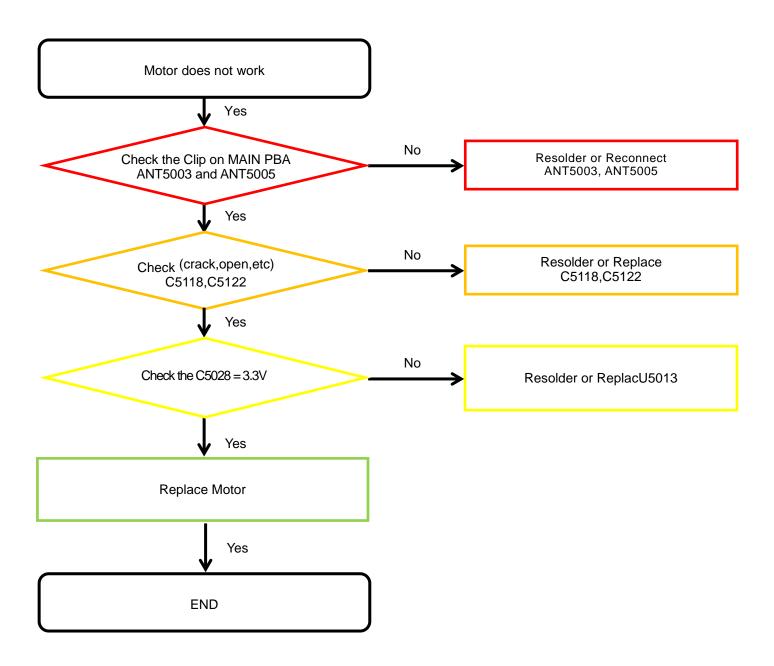
8-4-16. Front CAMERA



8-4-17.Finger Print



8-4-18. Motor



8-4-19. MST

