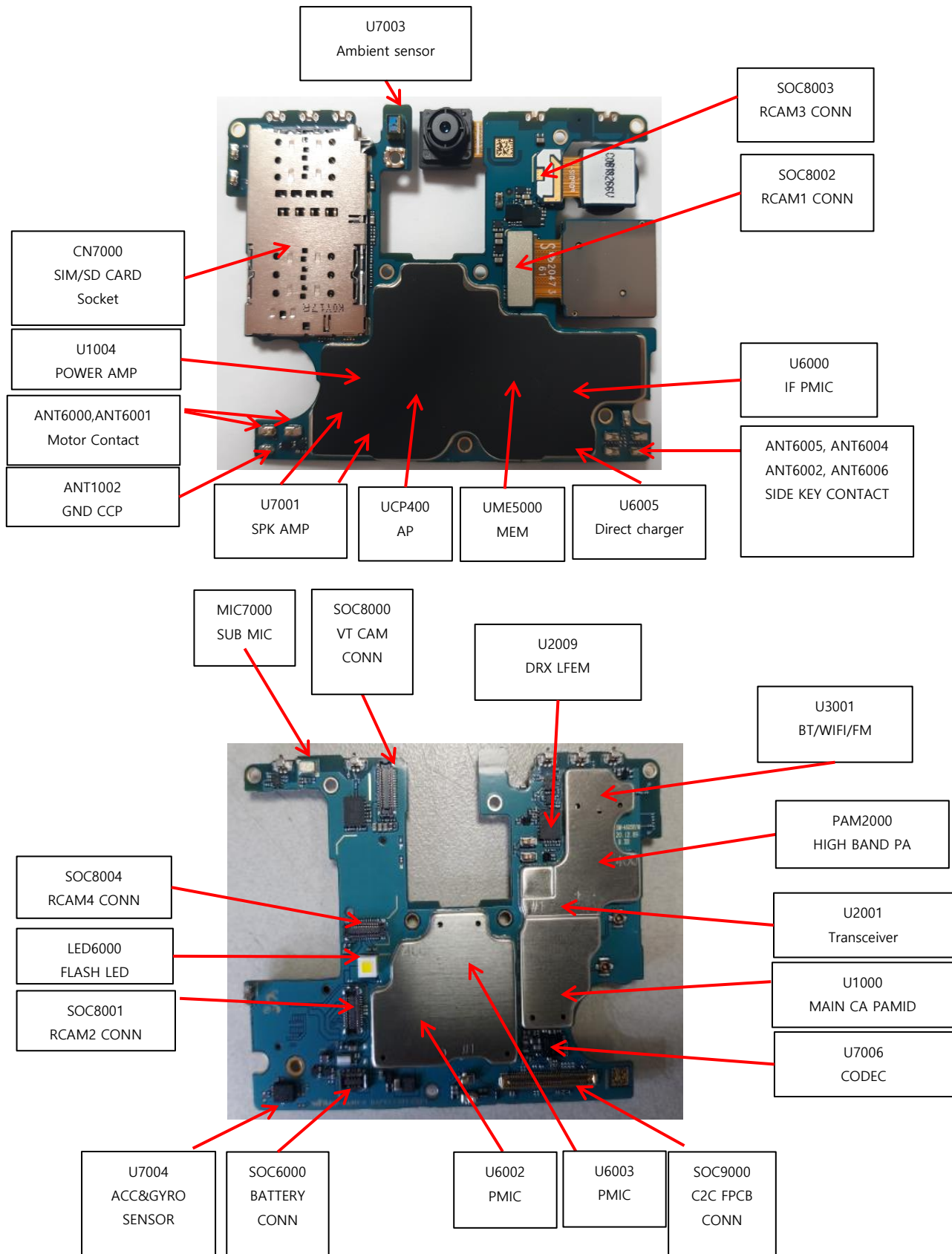
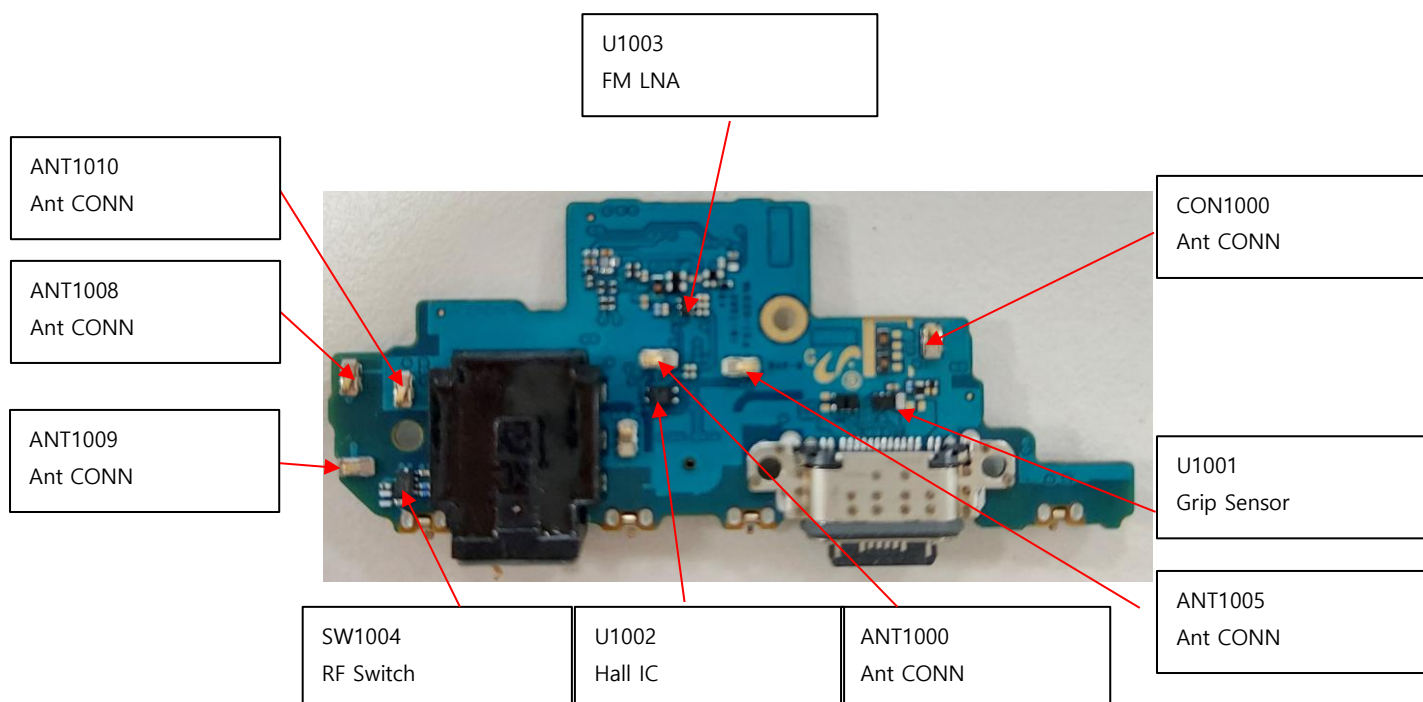
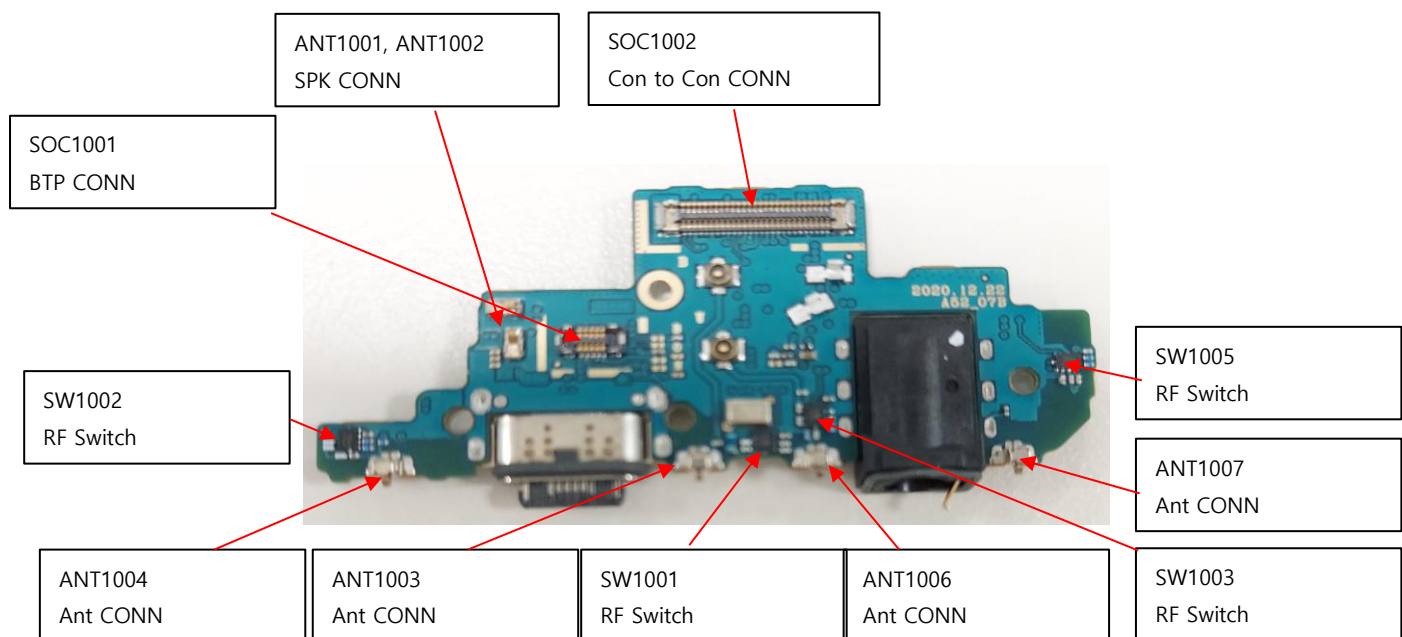


8. Level 3 Repair

8-1. Components Layout

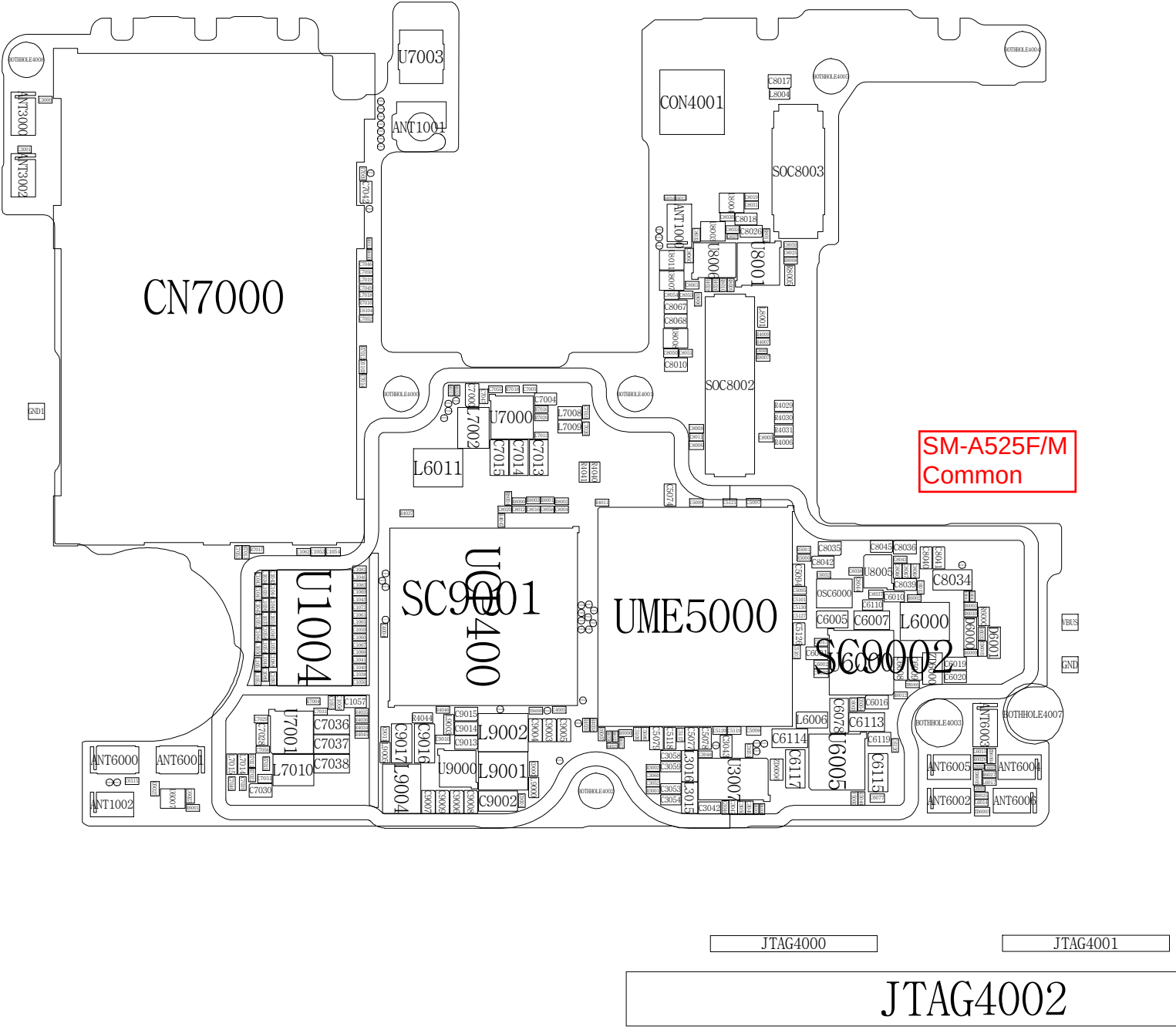


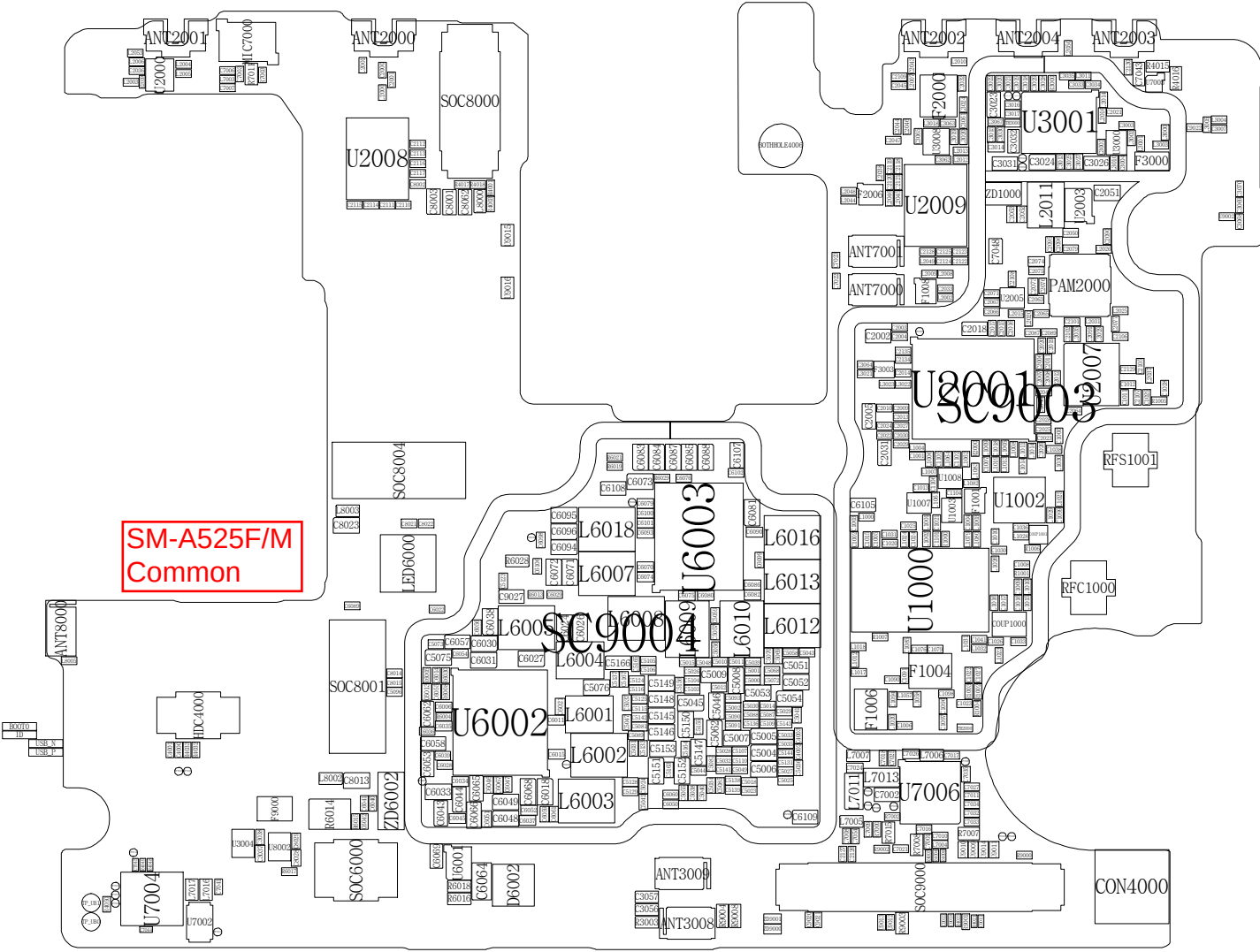
8. Level 3 Repair



SM-A525F/M
Common

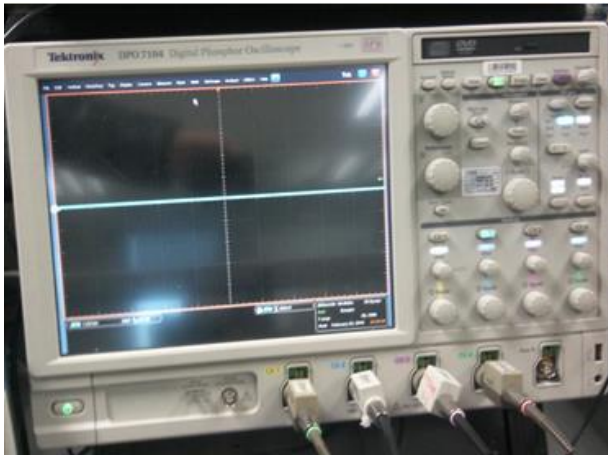






8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



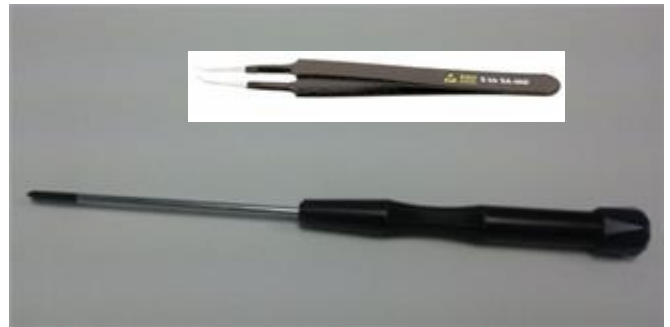
Oscilloscope



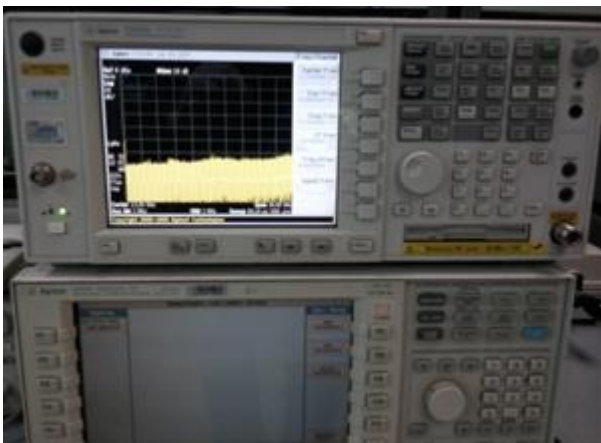
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



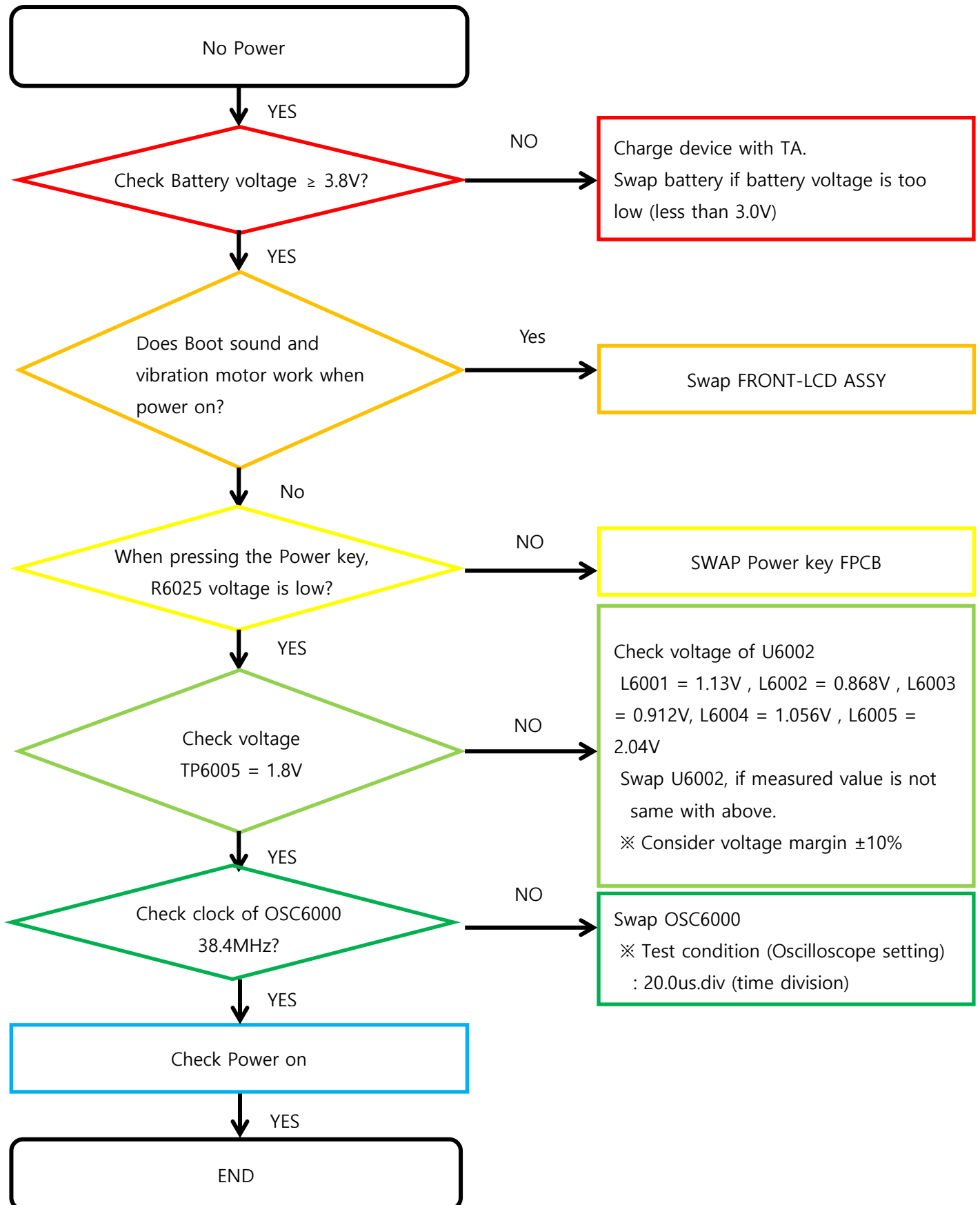
8960 & Spectrum Analyzer



Soldering iron

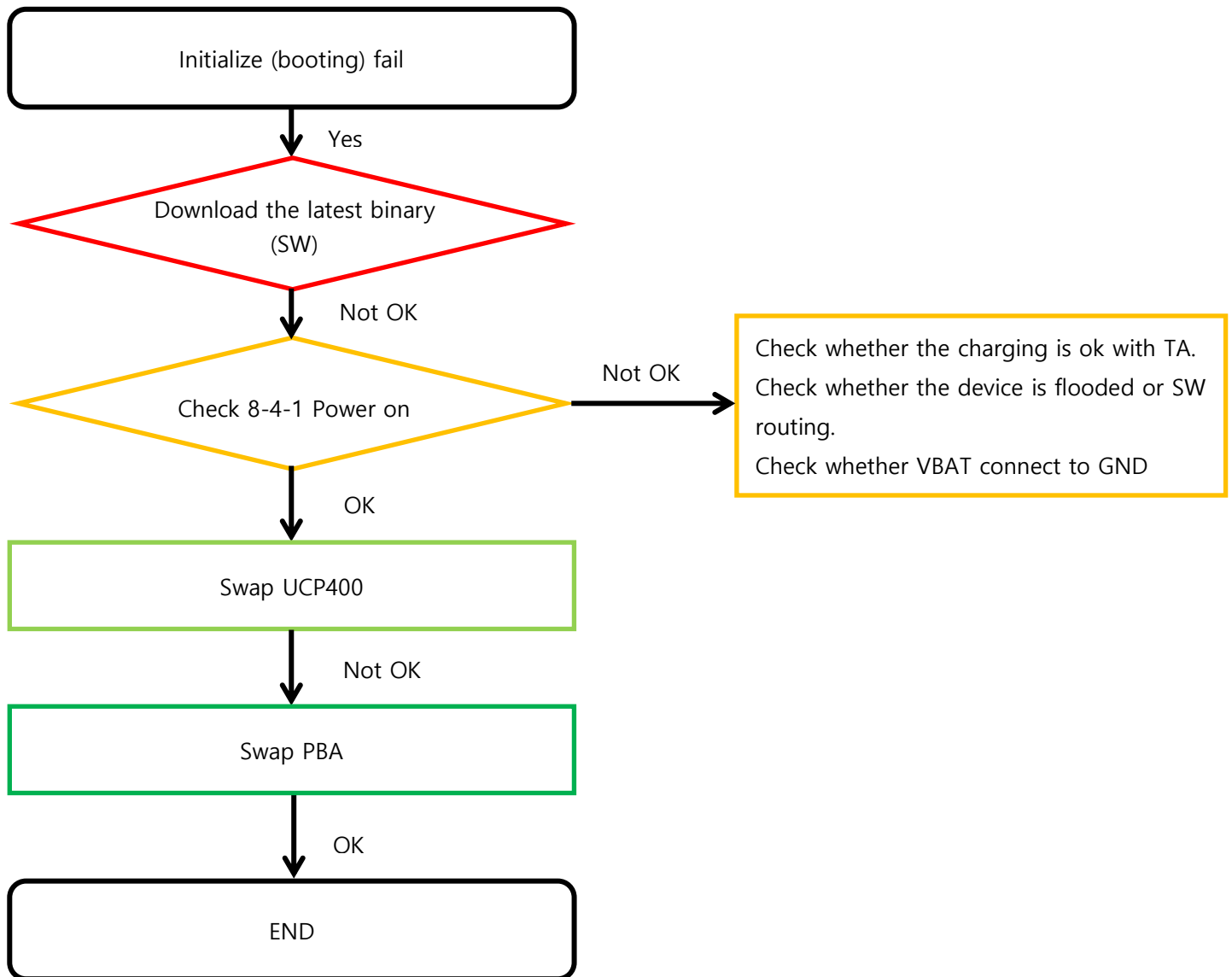
8. Level 3 Repair

8-4-1. Power On



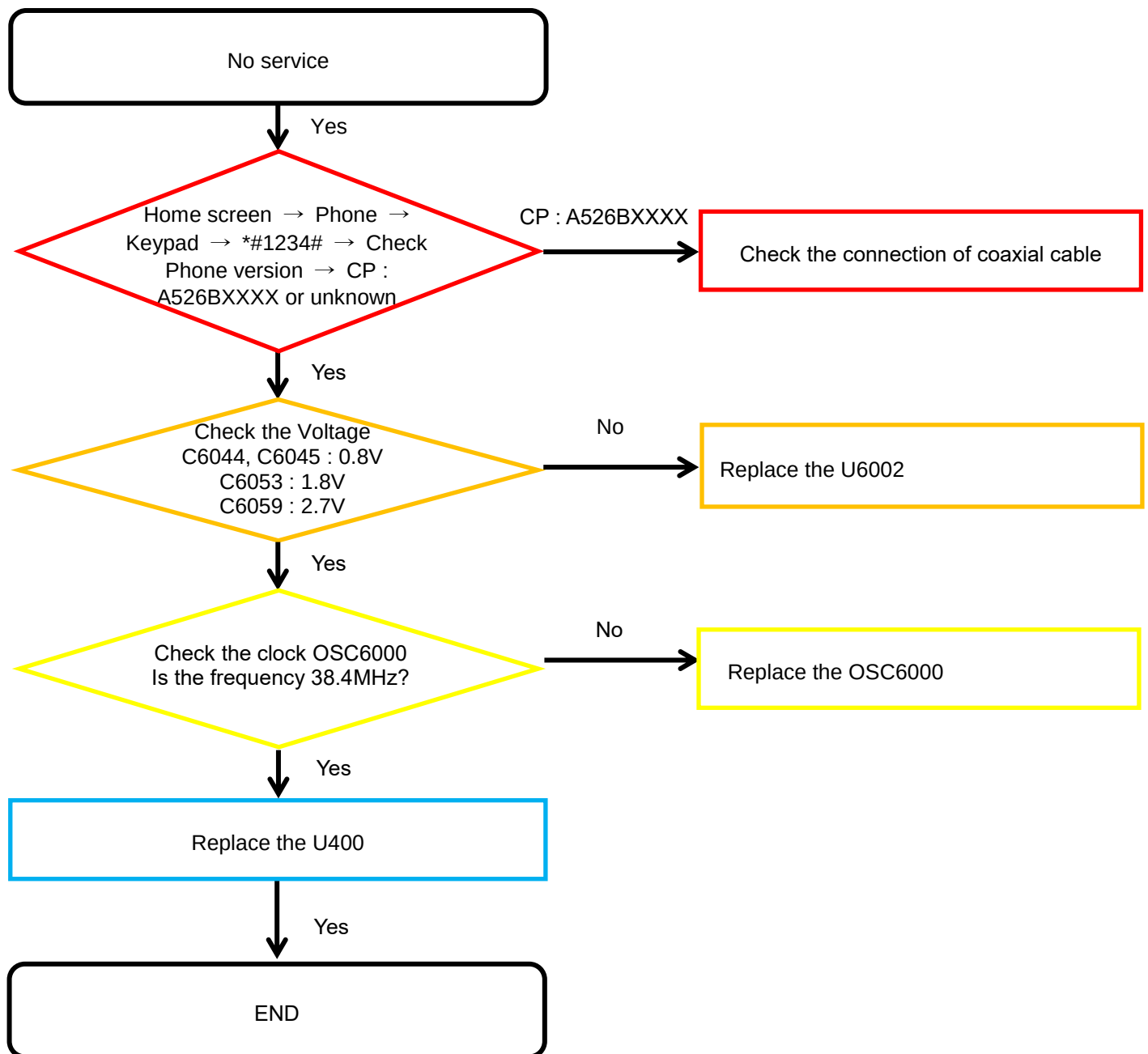
8. Level 3 Repair

8-4-2. Initial



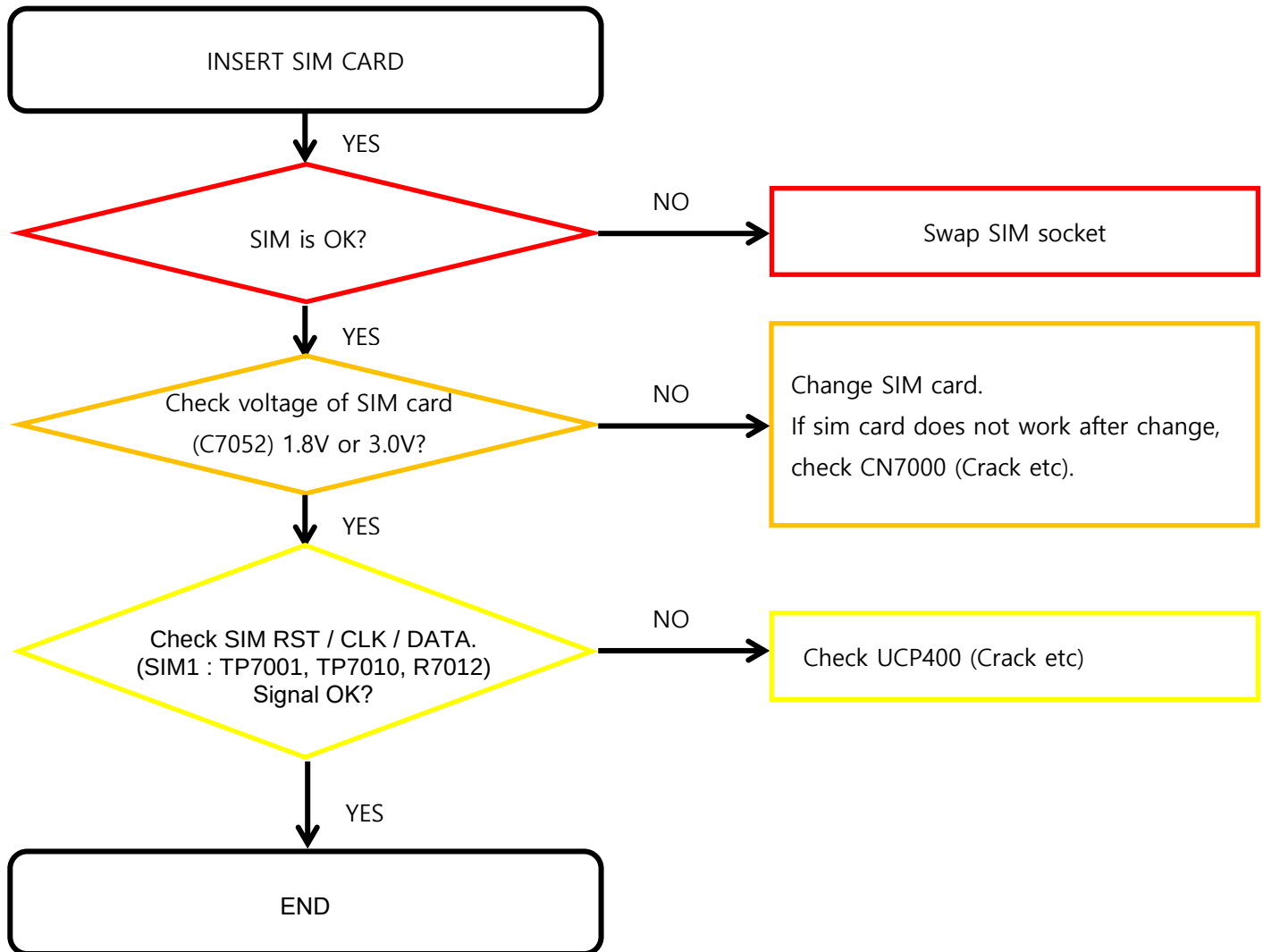
8. Level 3 Repair

8-4-3. No Service



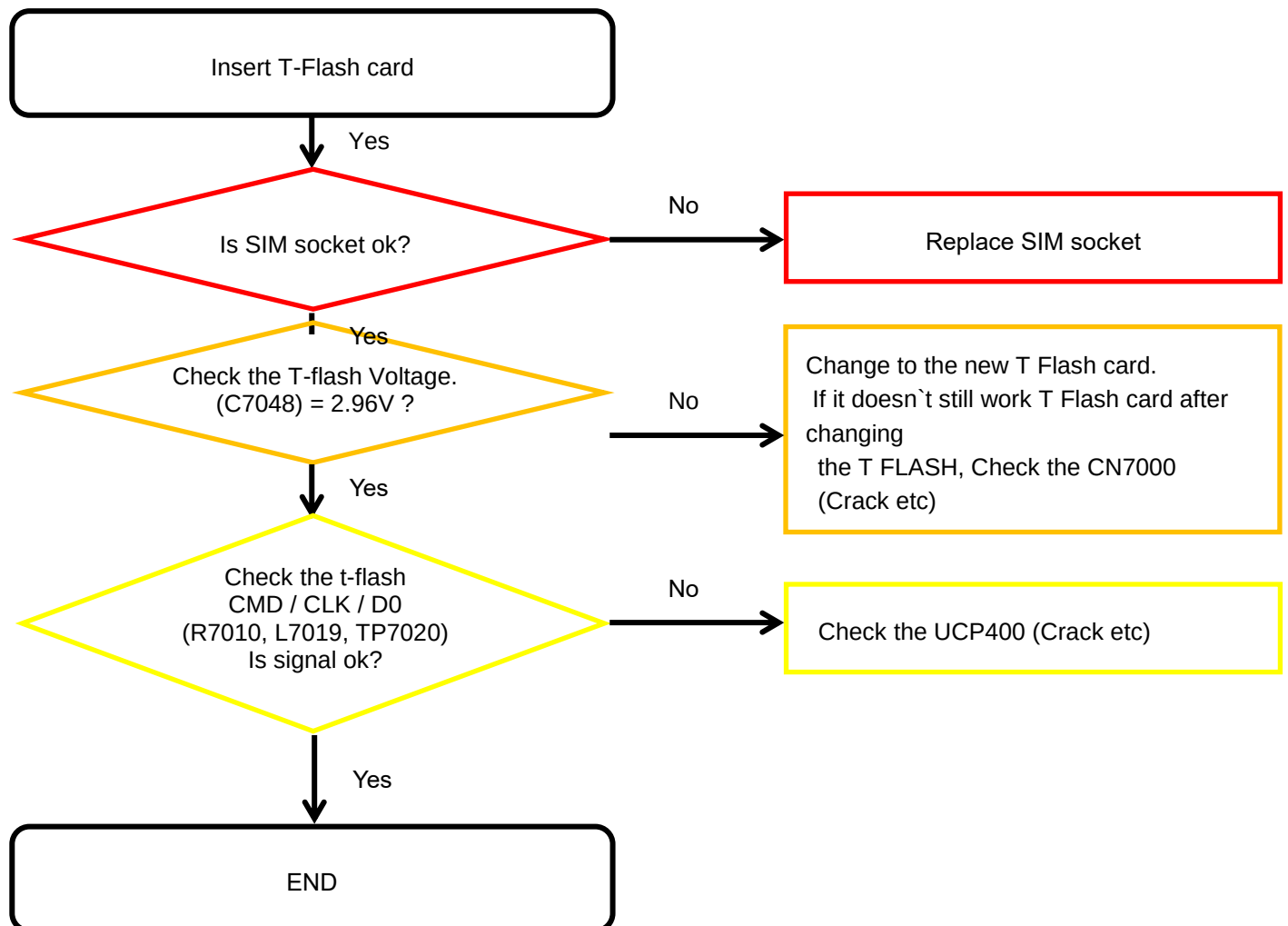
8. Level 3 Repair

8-4-4. SIM Part



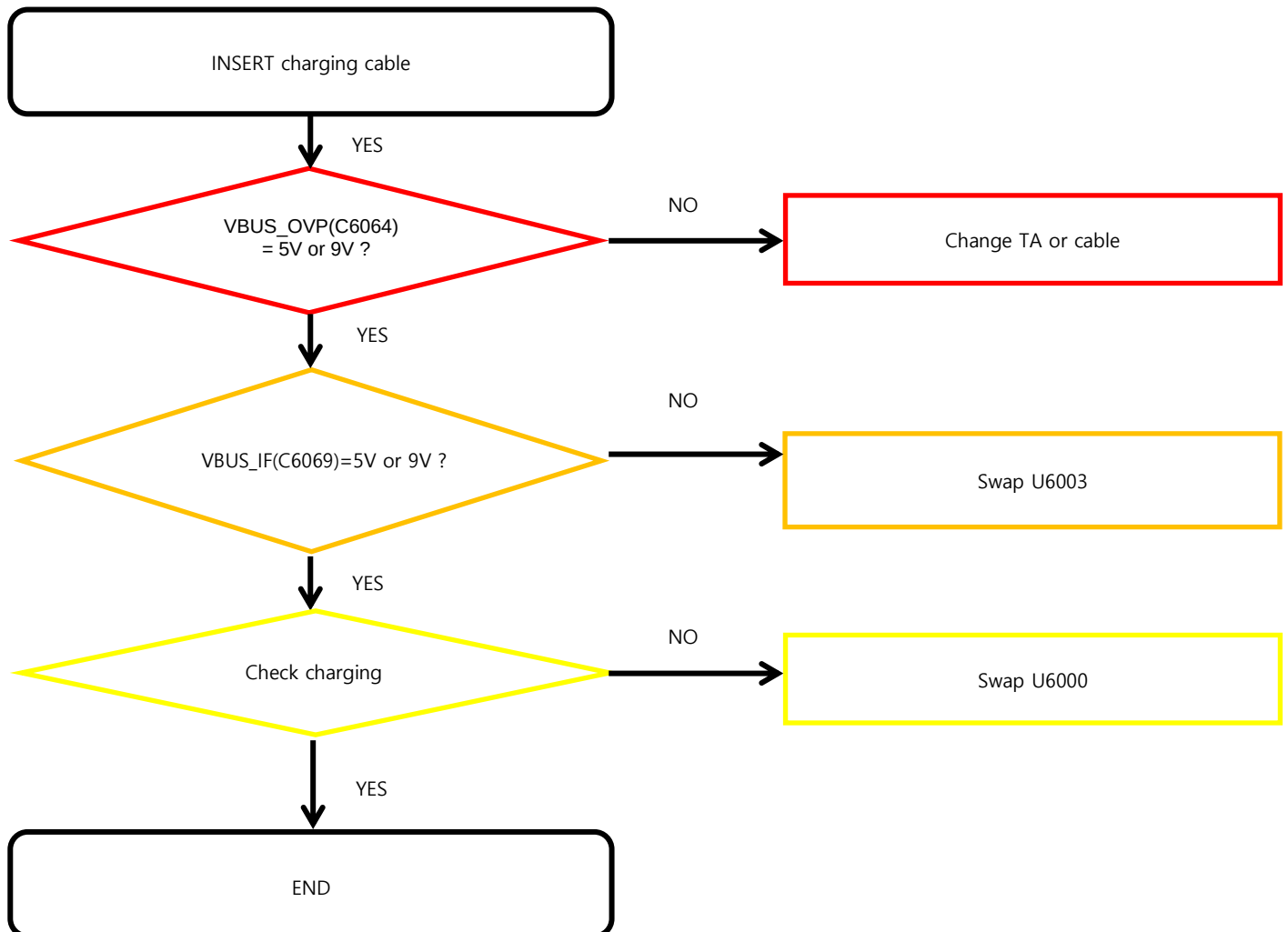
8. Level 3 Repair

8-4-5. T-Flash Part



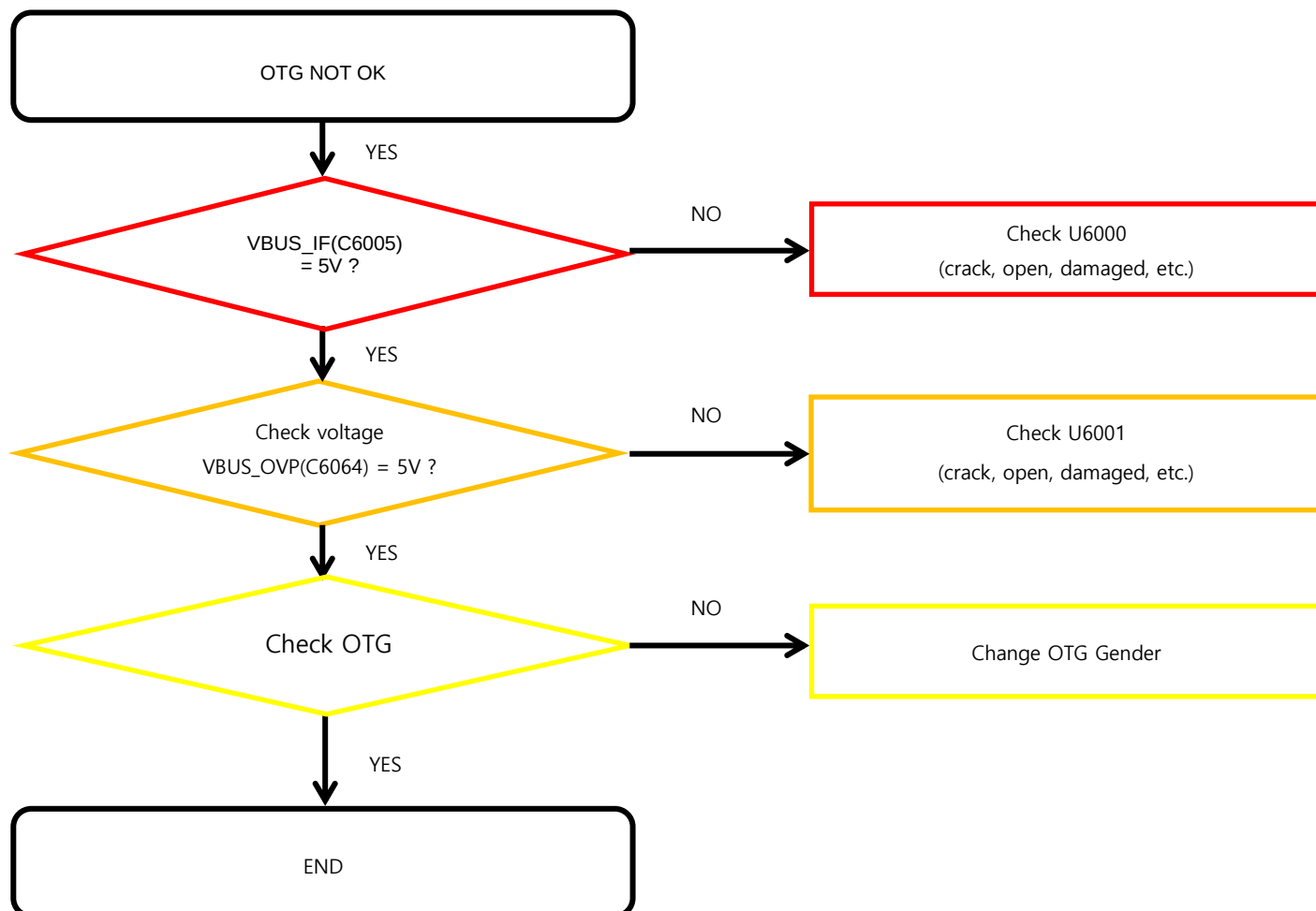
8. Level 3 Repair

8-4-6. Cable Charging Part (Normal/Fast)



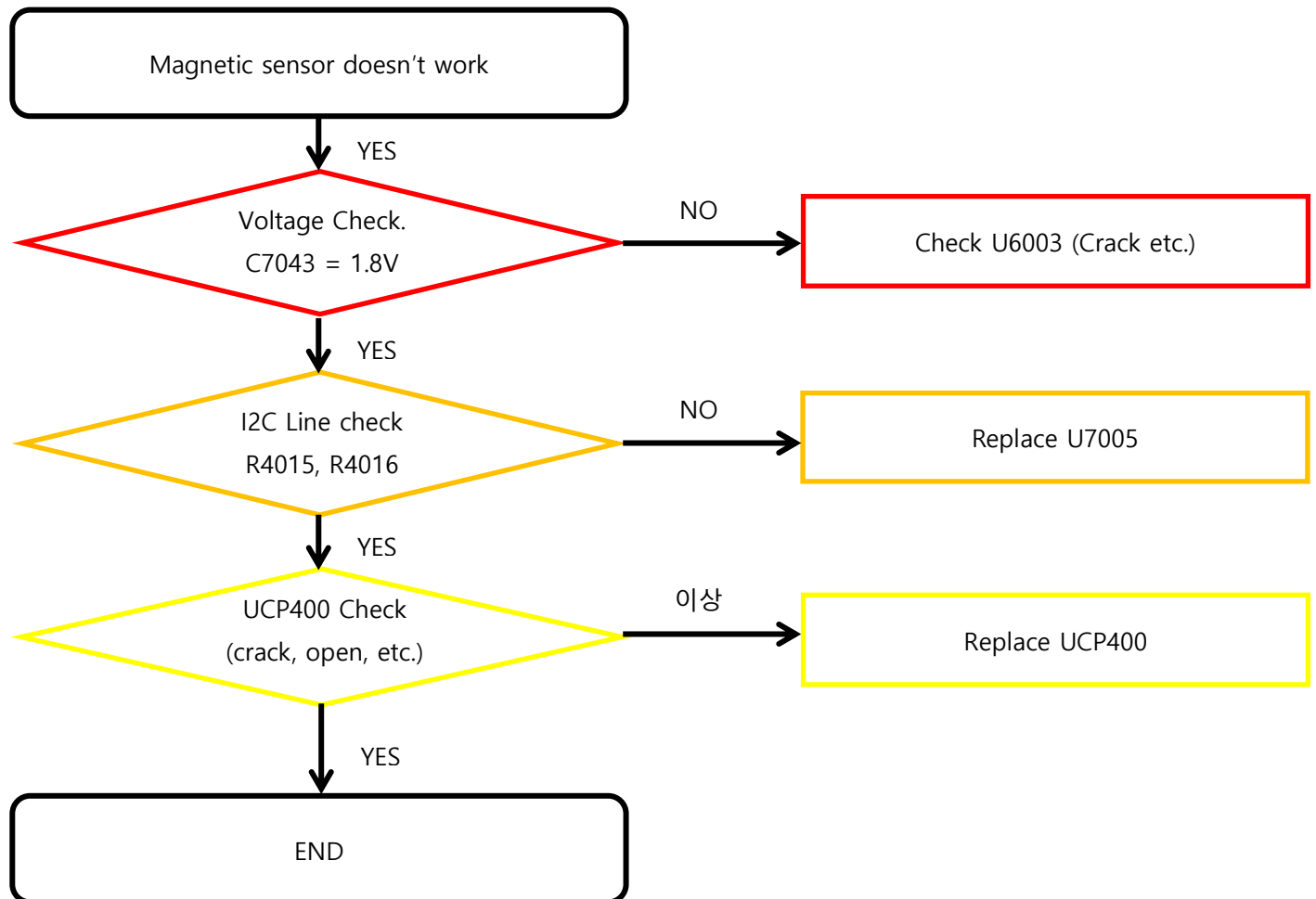
8. Level 3 Repair

8-4-7. OTG



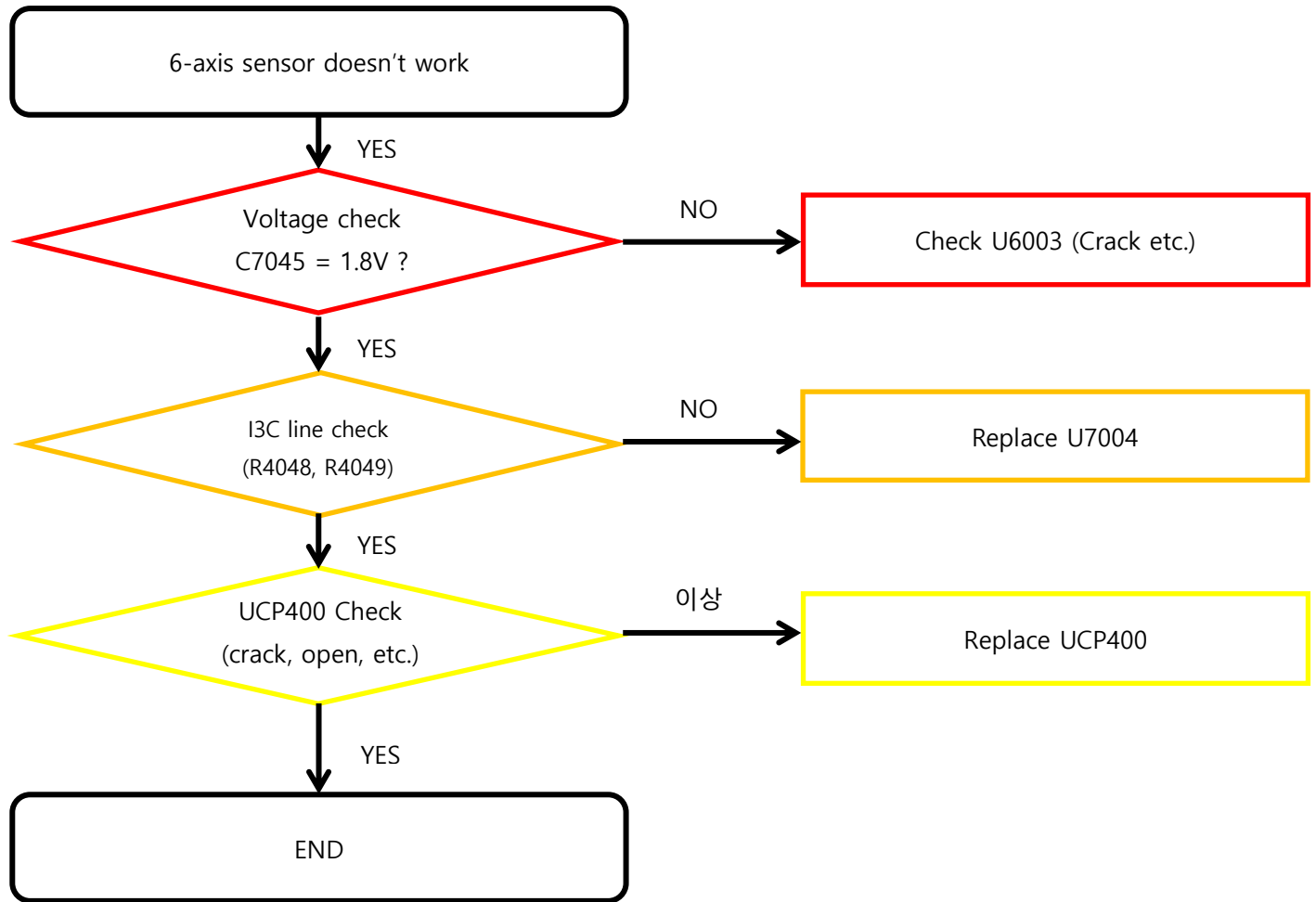
8. Level 3 Repair

8-4-8-1. Magnetic Sensor



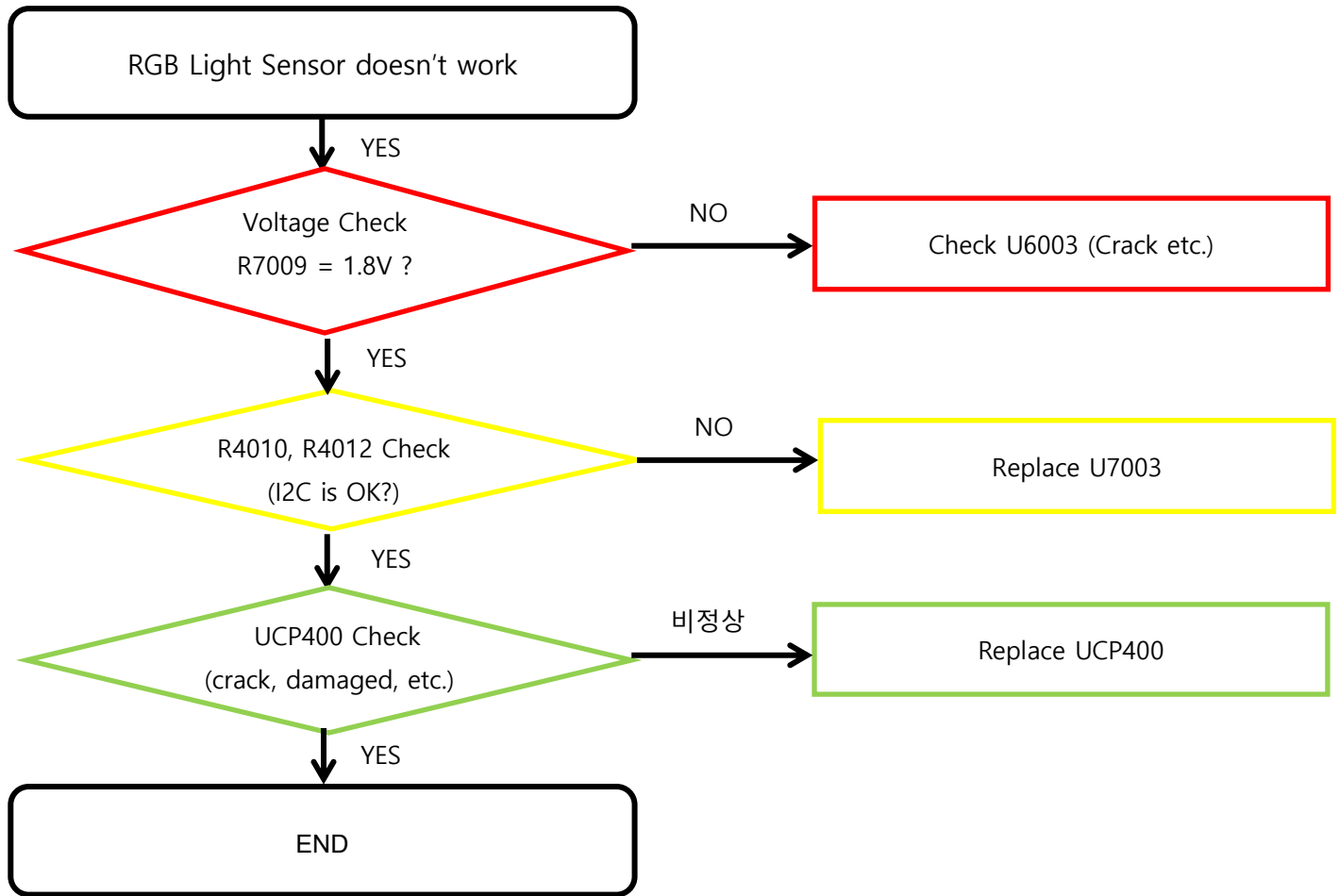
8. Level 3 Repair

8-4-8-2. 6Axis Sensor



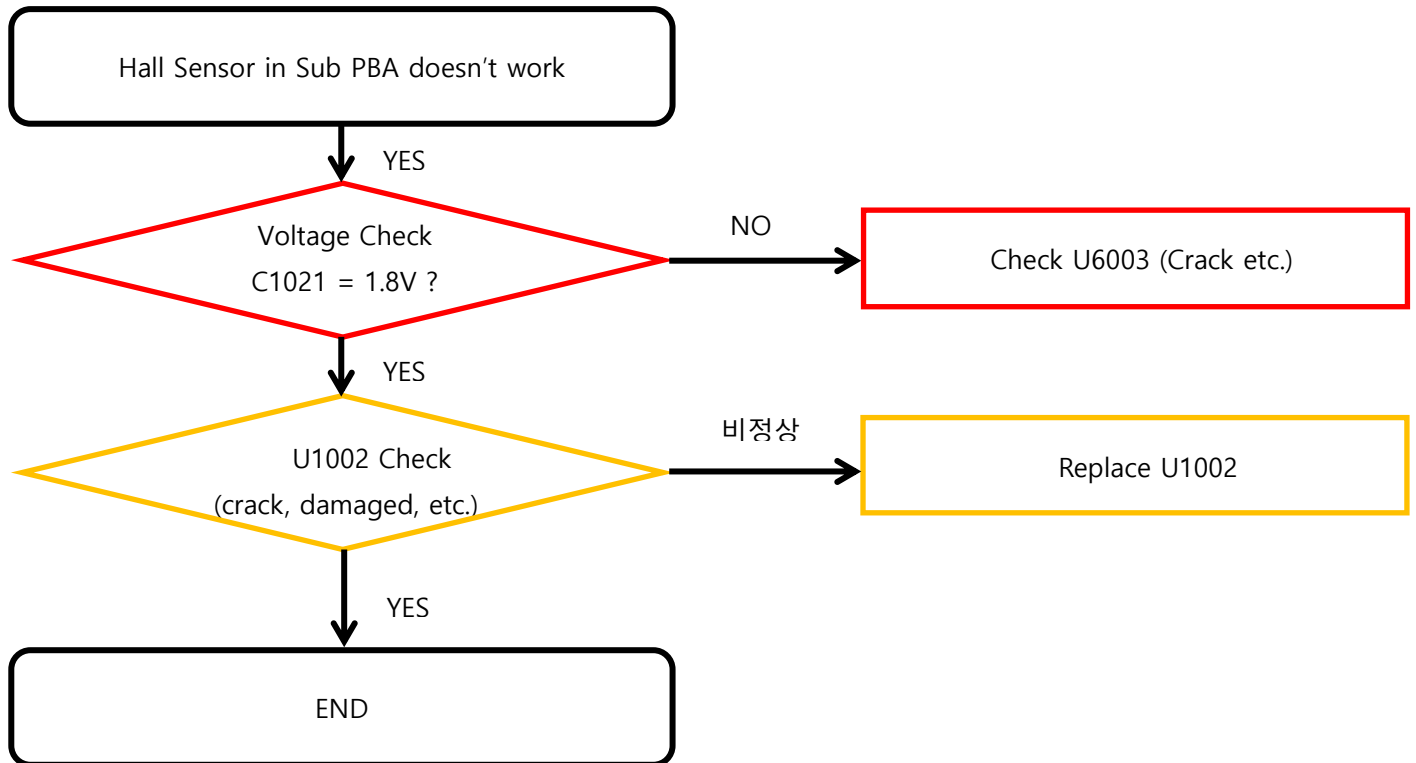
8. Level 3 Repair

8-4-8-3. RGB Light sensor



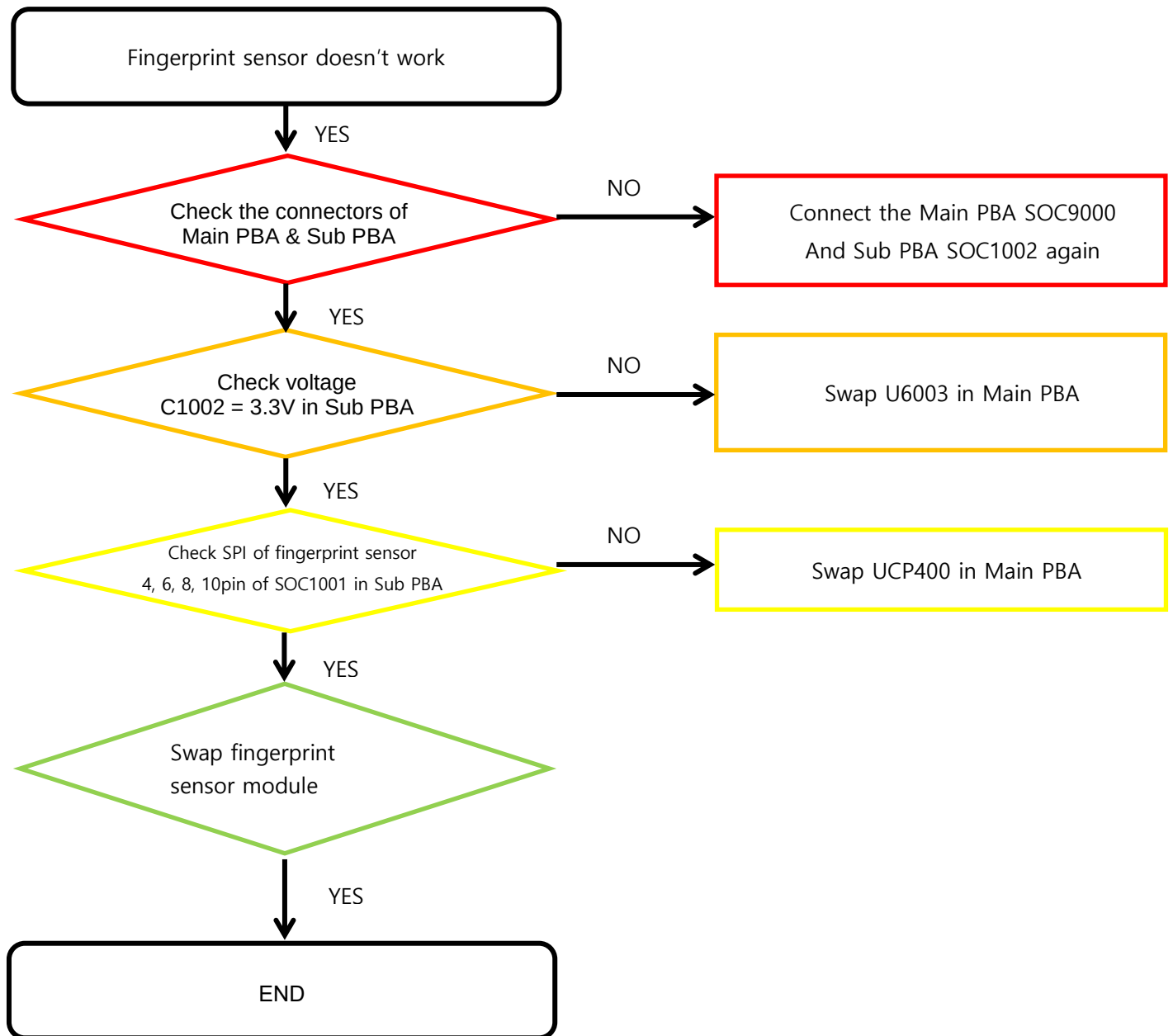
8. Level 3 Repair

8-4-8-4. Hall Sensor



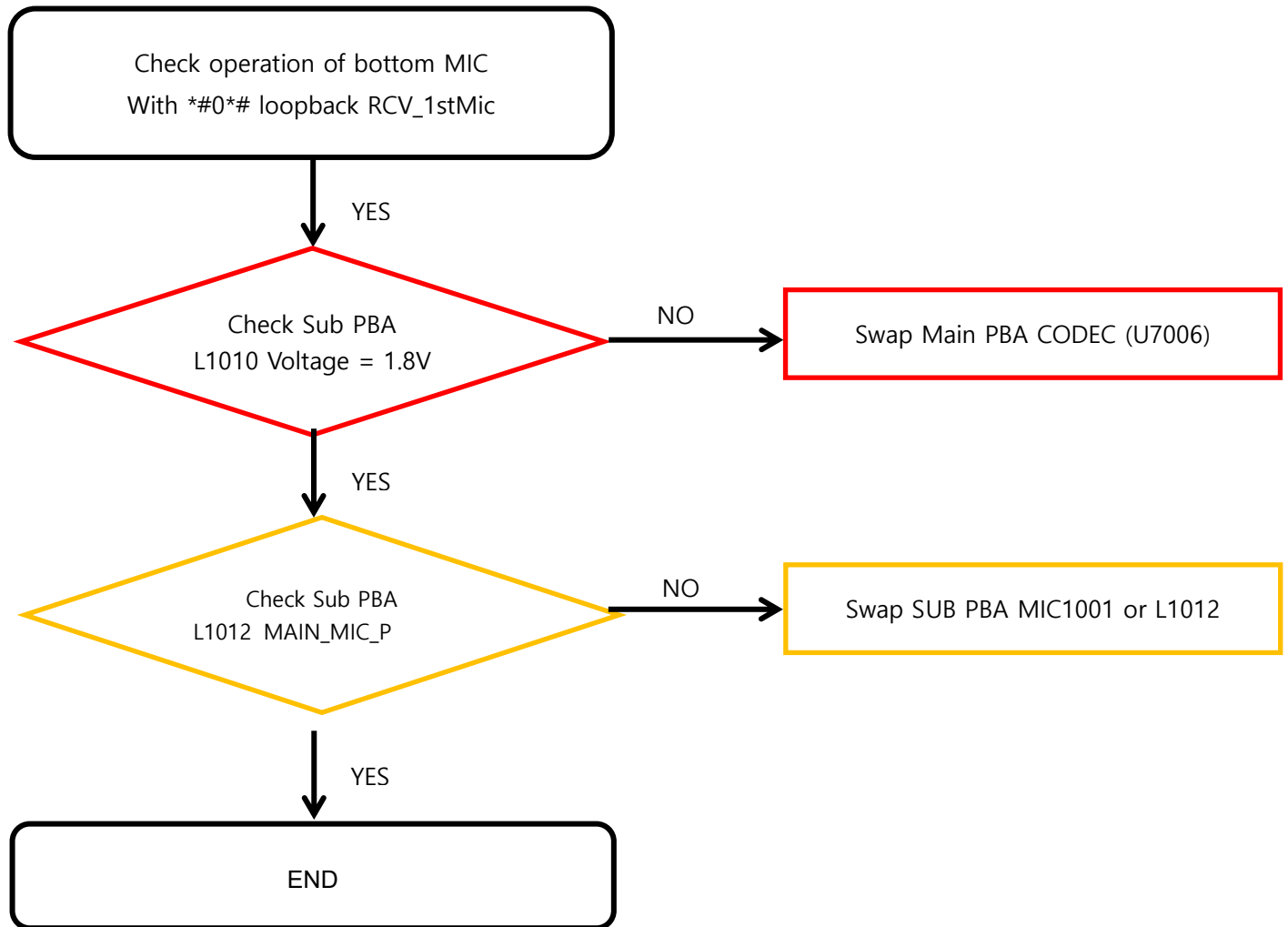
8. Level 3 Repair

8-4-8-5. Fingerprint Sensor



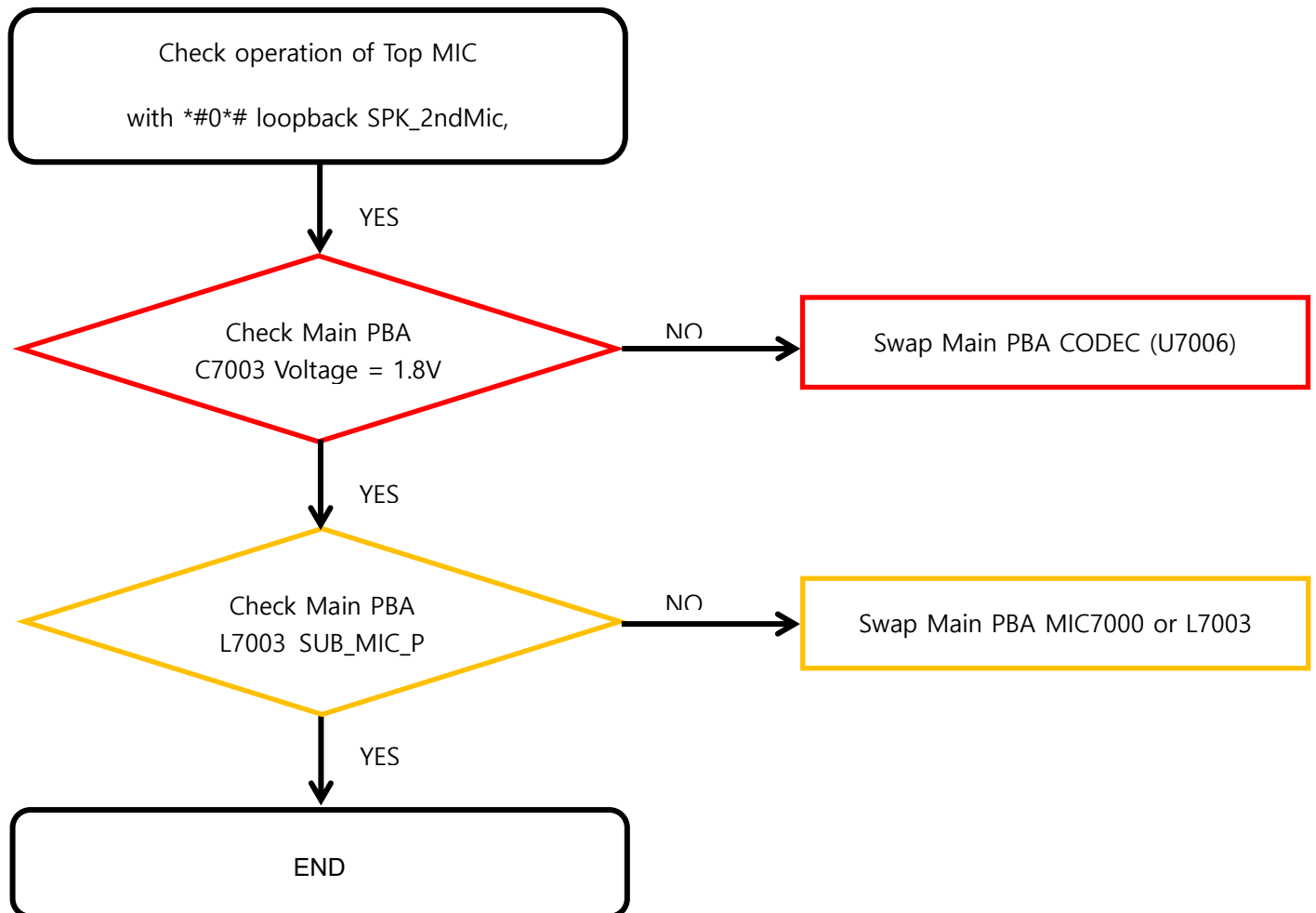
8. Level 3 Repair

8-4-9-1. Microphone Part - Main MIC



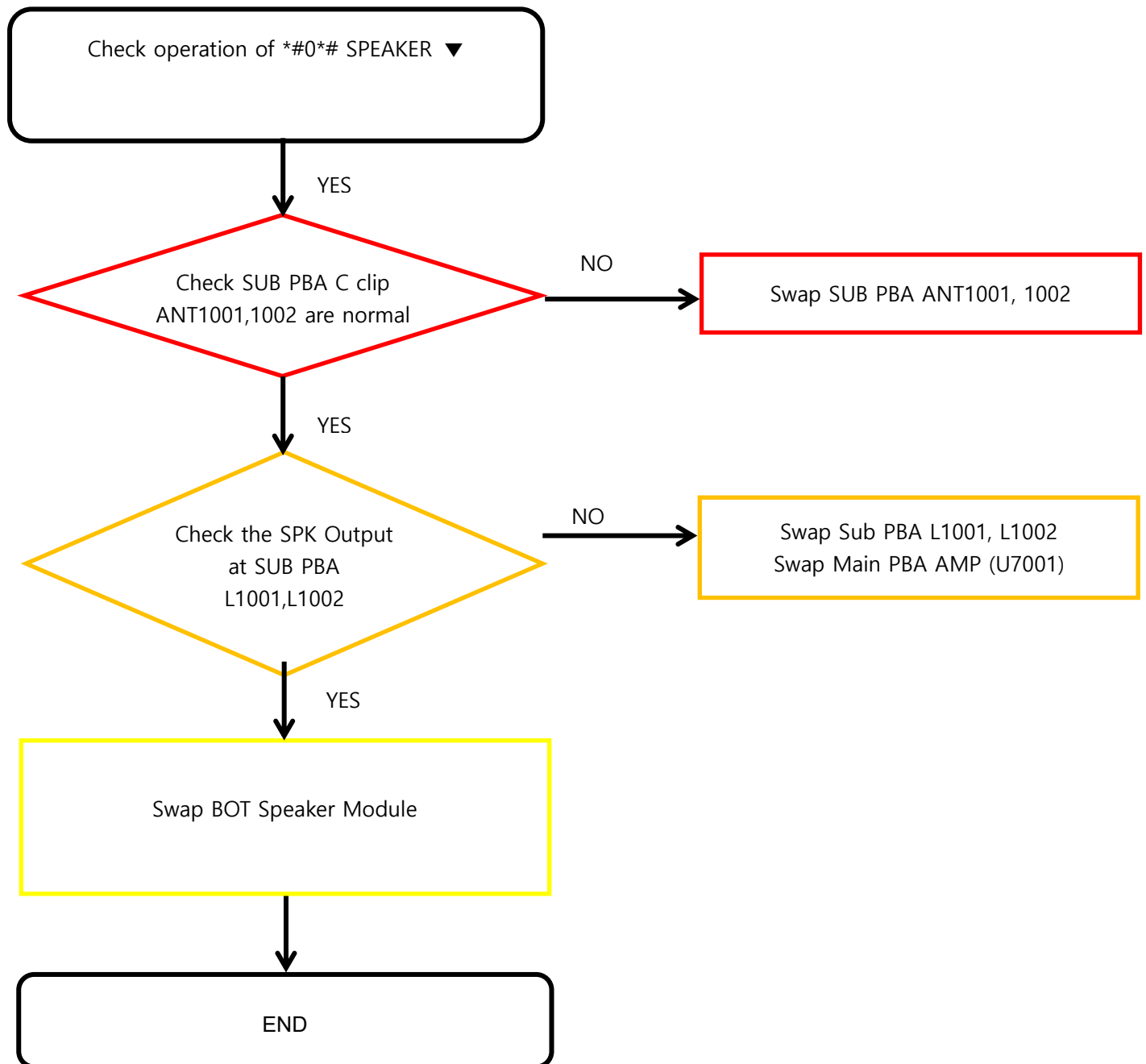
8. Level 3 Repair

8-4-9-2. Microphone Part - Sub(2nd) MIC



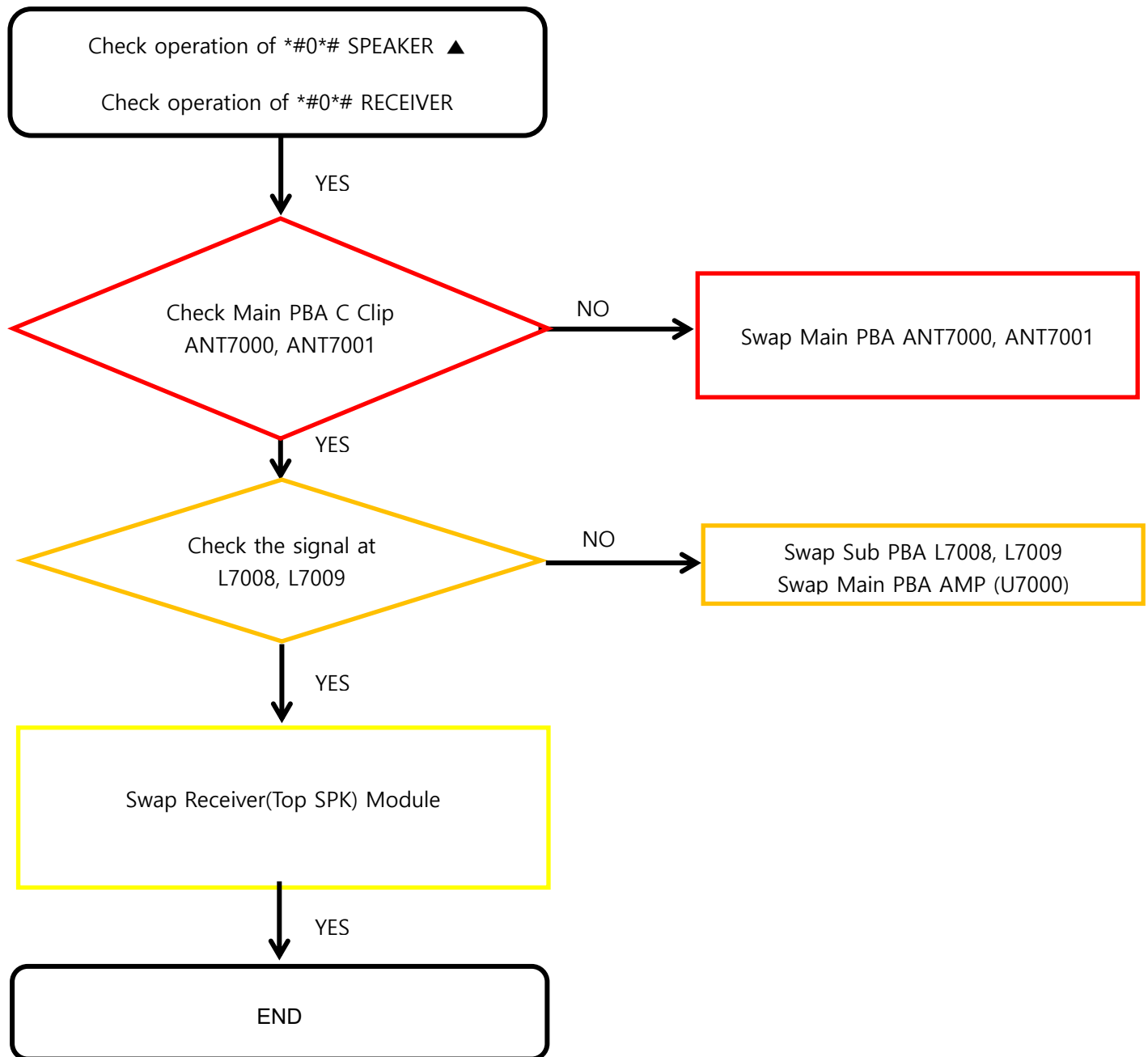
8. Level 3 Repair

8-4-10. Speaker Part - Bottom speaker



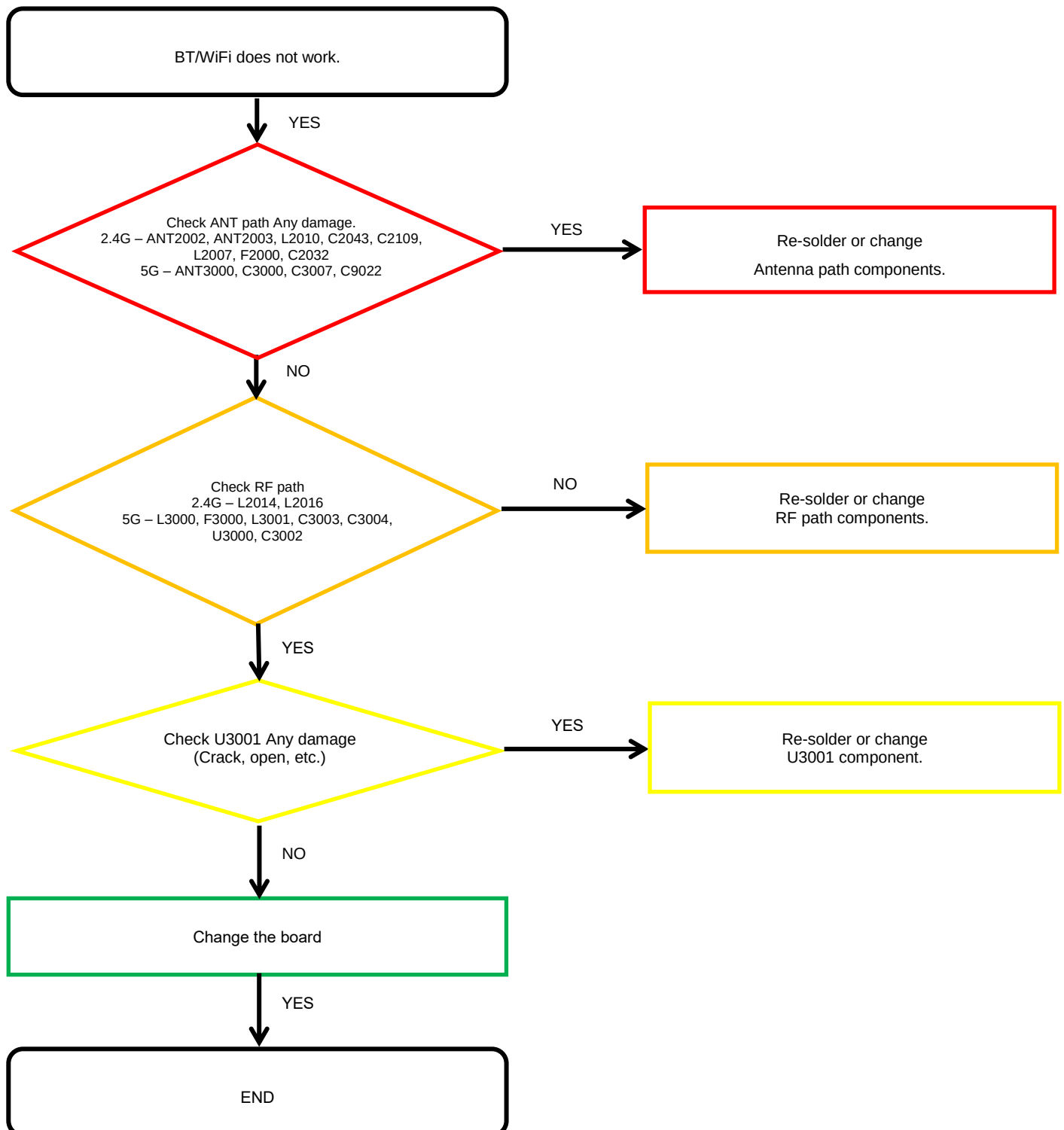
8. Level 3 Repair

8-4-11. Speaker Part - Top speaker



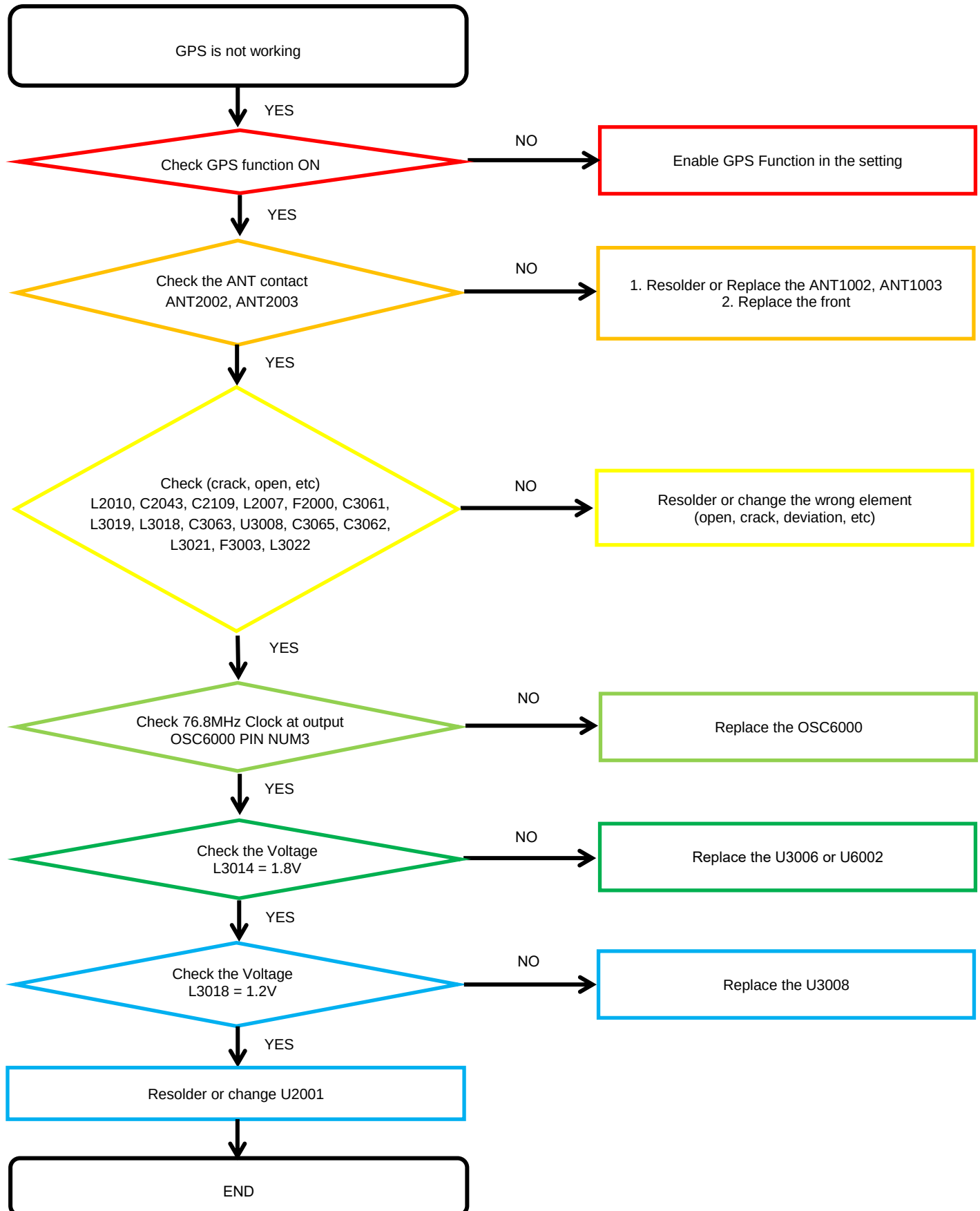
8. Level 3 Repair

8-4-12. BT/WIFI



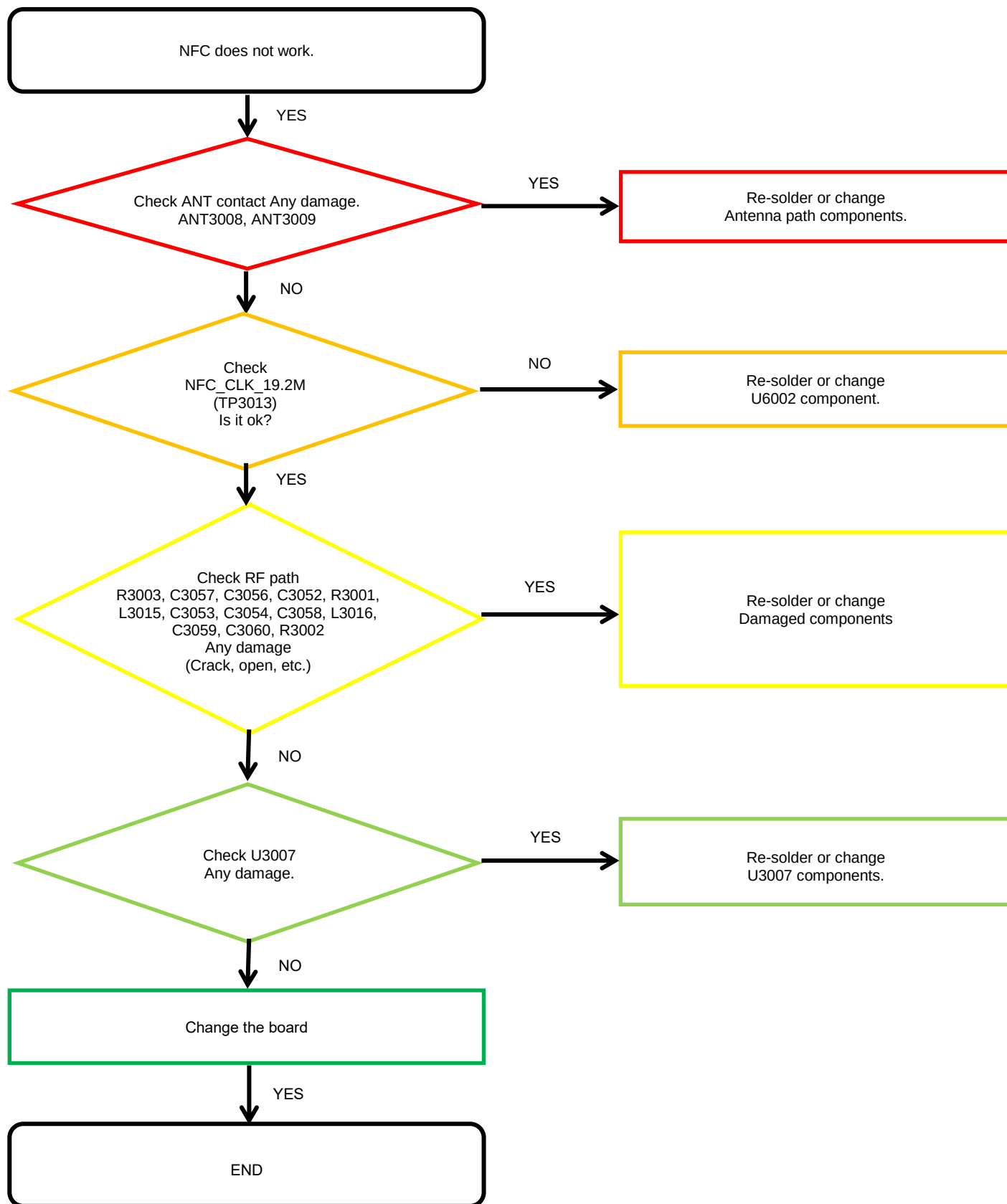
8. Level 3 Repair

8-4-13. GPS



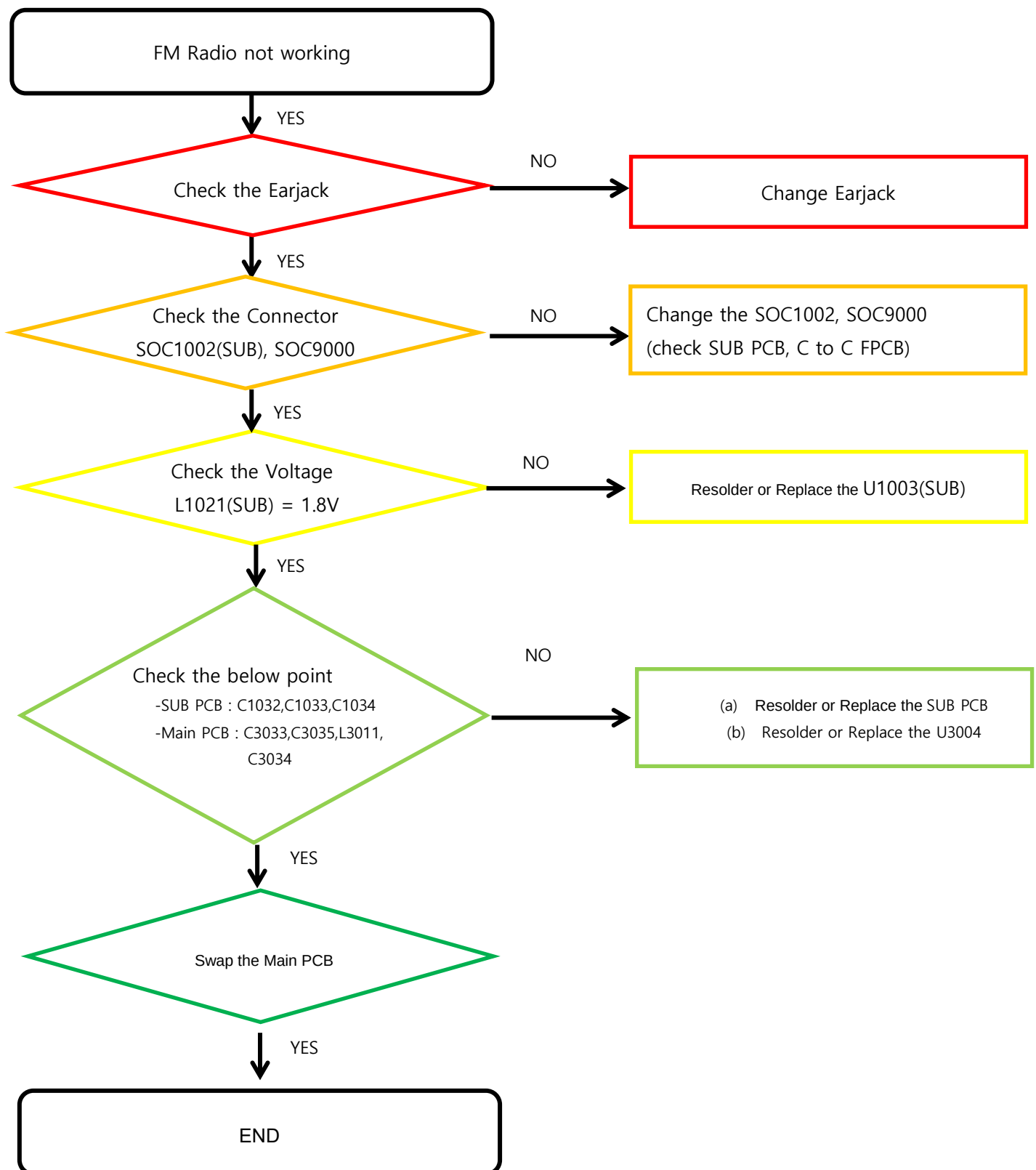
8. Level 3 Repair

8-4-14. NFC



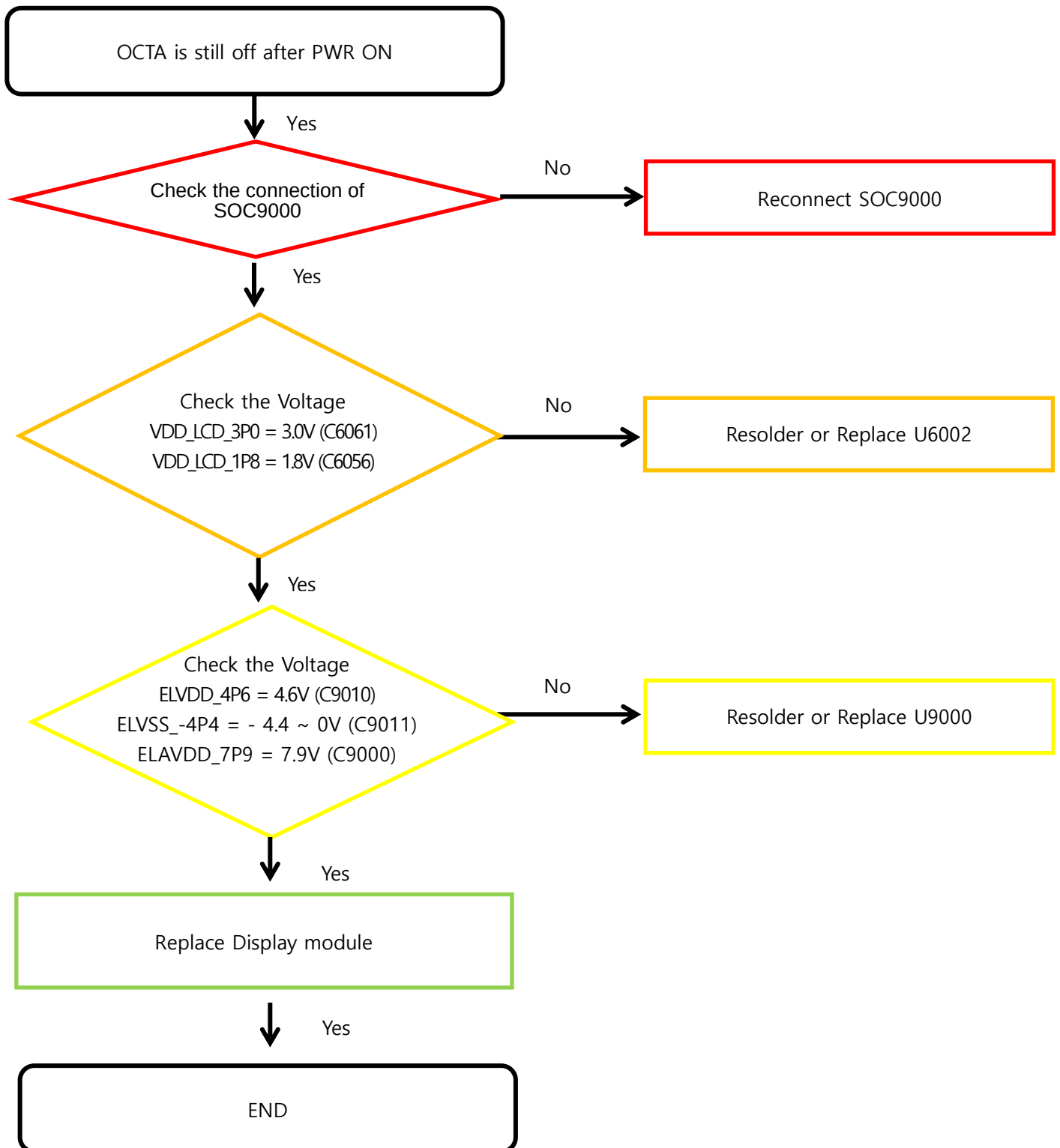
8. Level 3 Repair

8-4-15. FM Radio



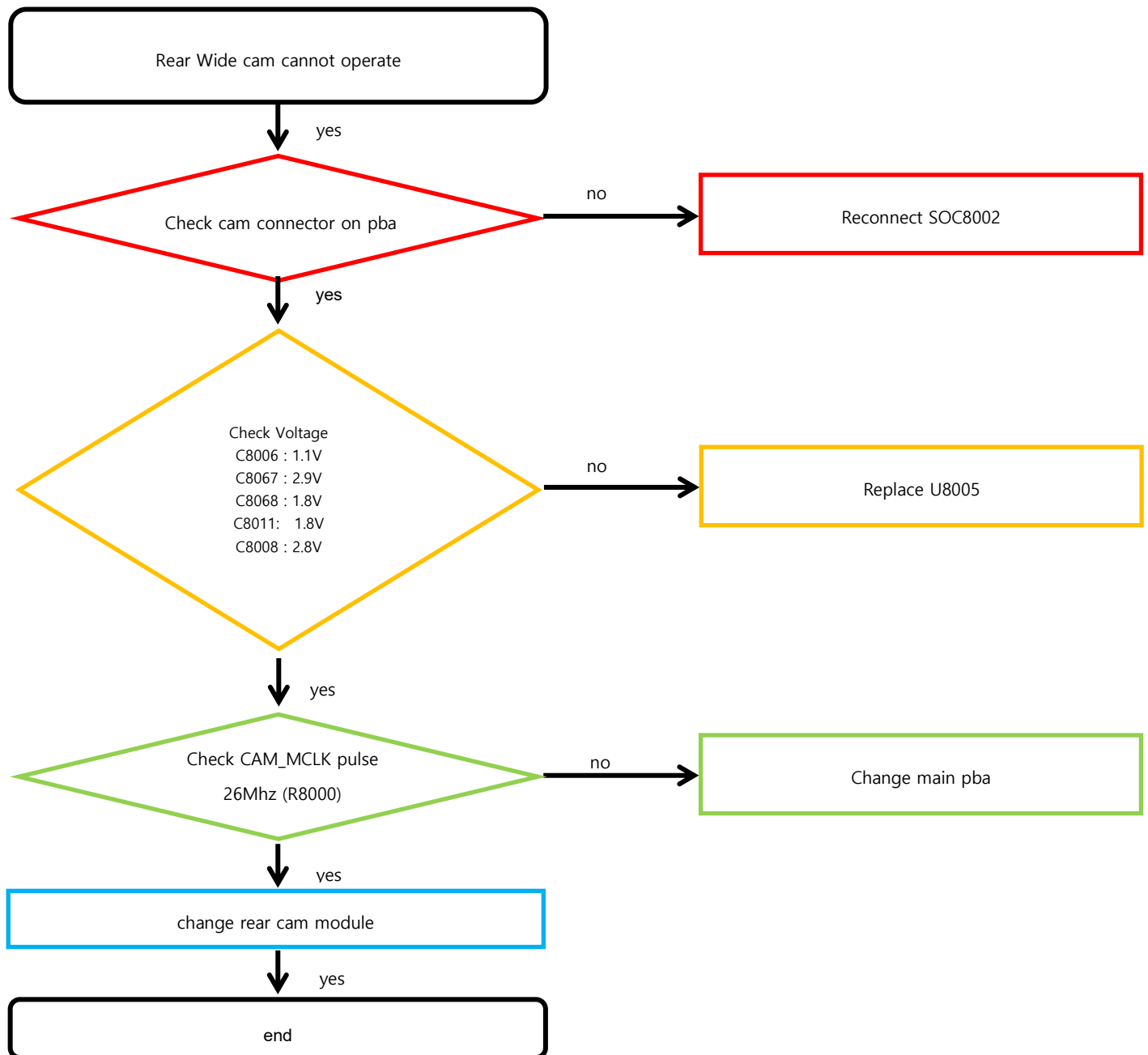
8. Level 3 Repair

8-4-16. Display



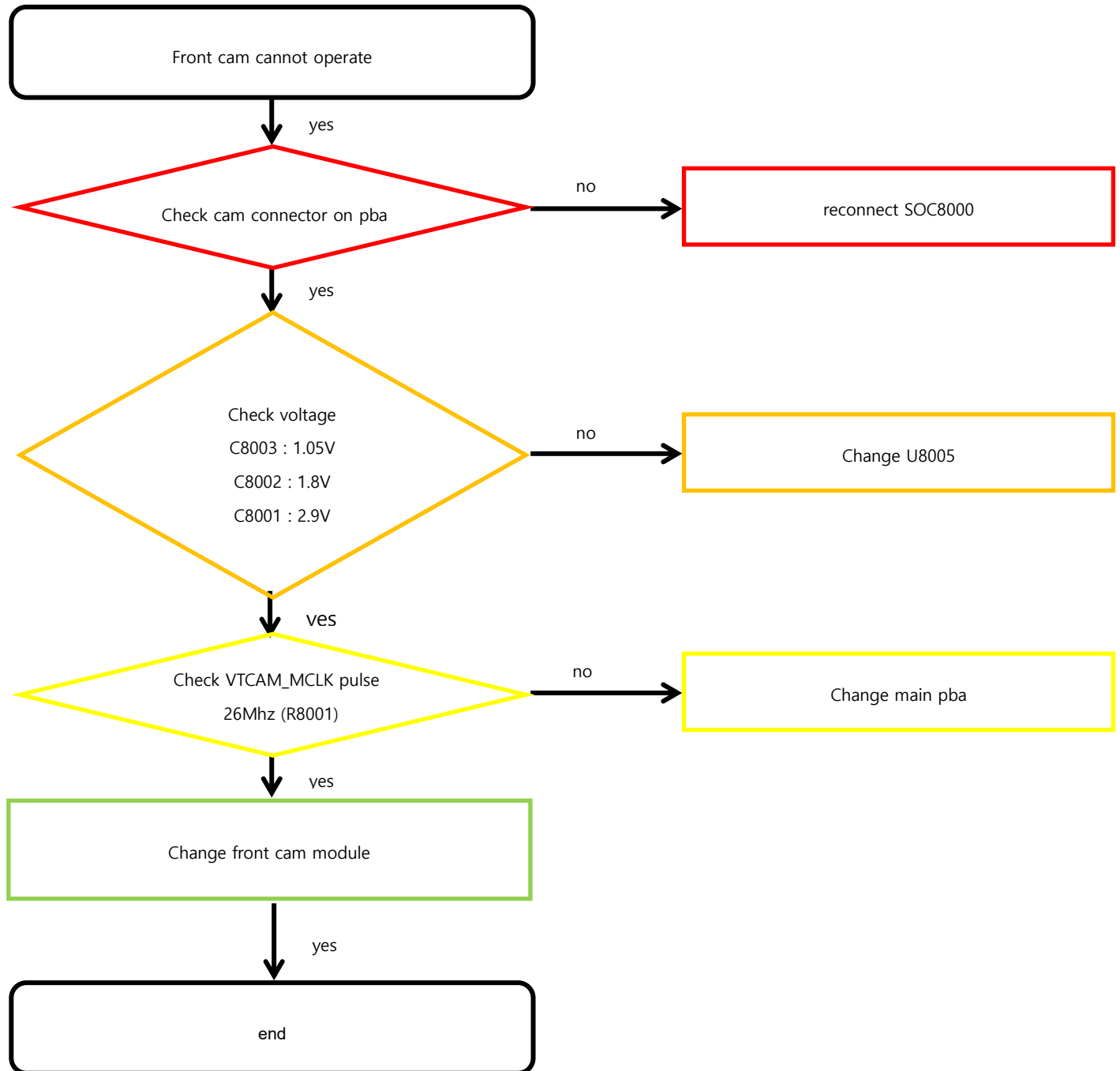
8. Level 3 Repair

8-4-17. Rear CAMERA (64M)



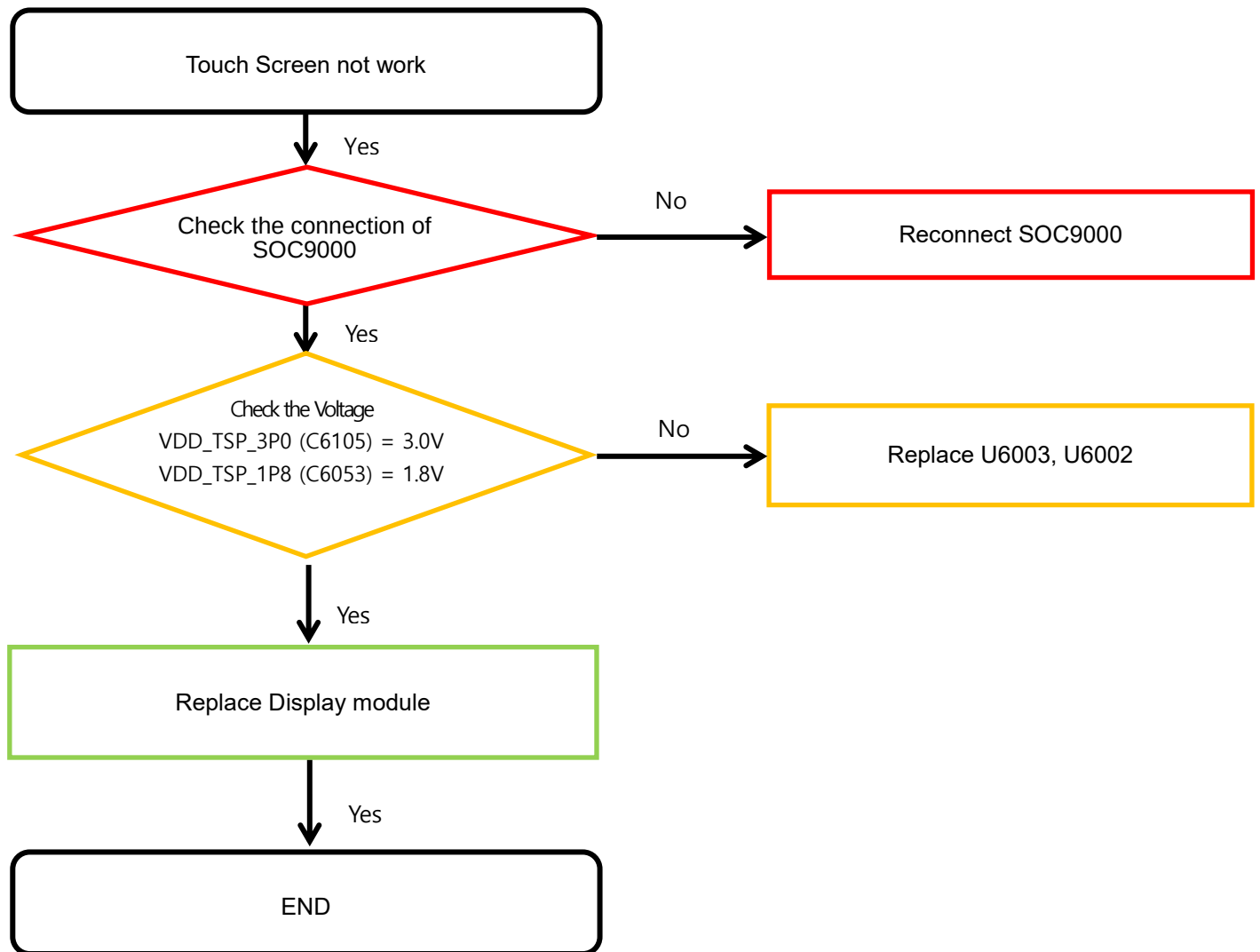
8. Level 3 Repair

8-4-18. Front Cam (32M)



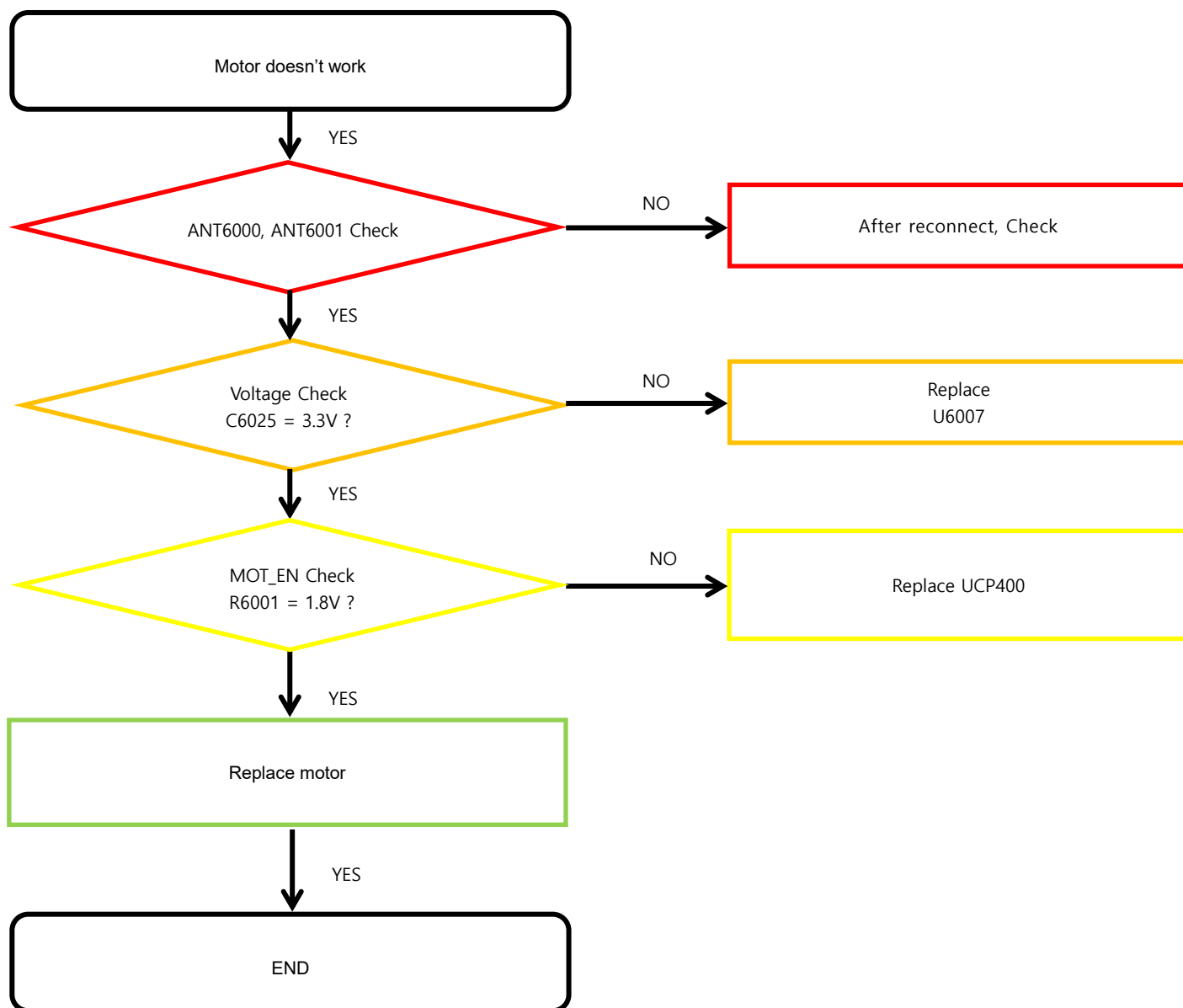
8. Level 3 Repair

8-4-19. TSP



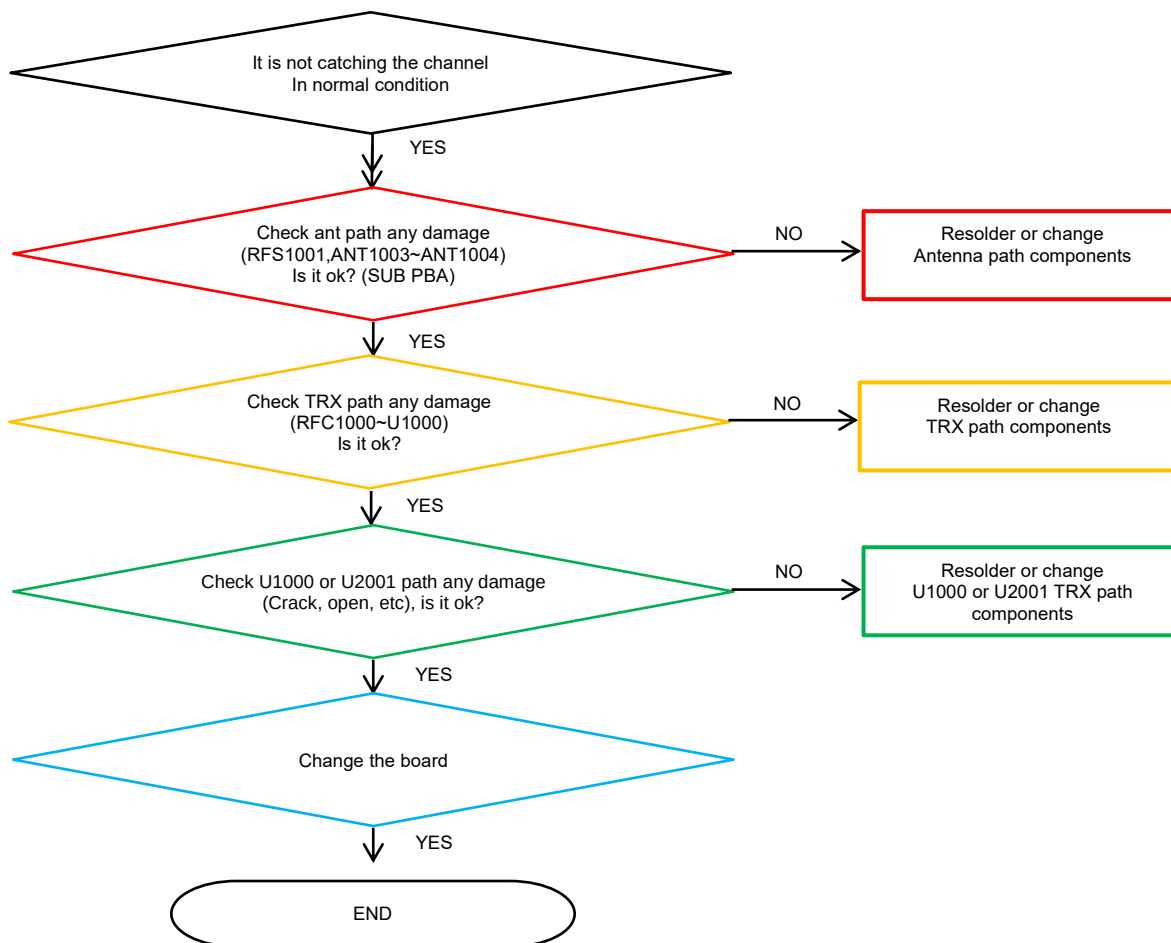
8. Level 3 Repair

8-4-20. Motor



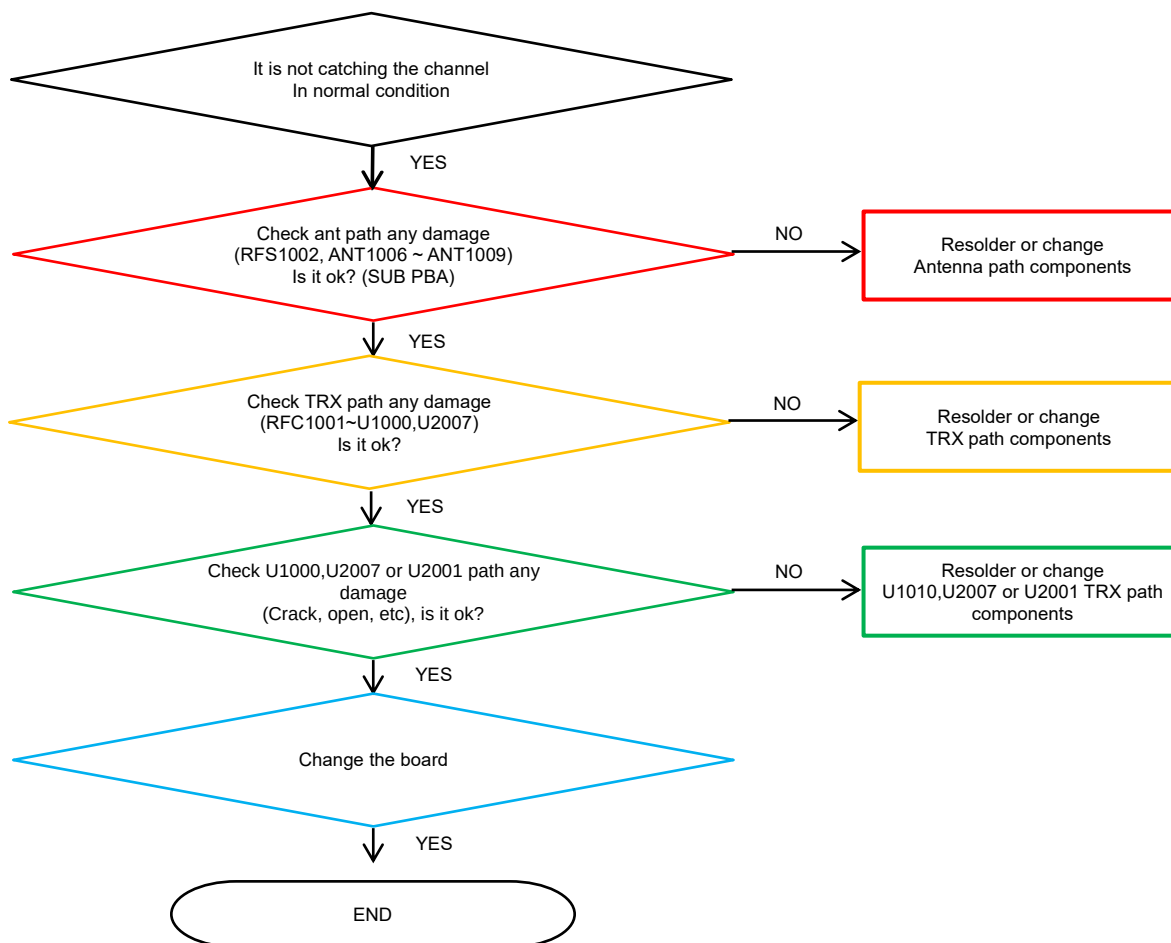
8. Level 3 Repair

8-4-21. GSM850/900, WCDMA B5/8, LTE B5/8/12/17/20/26/28 TRX



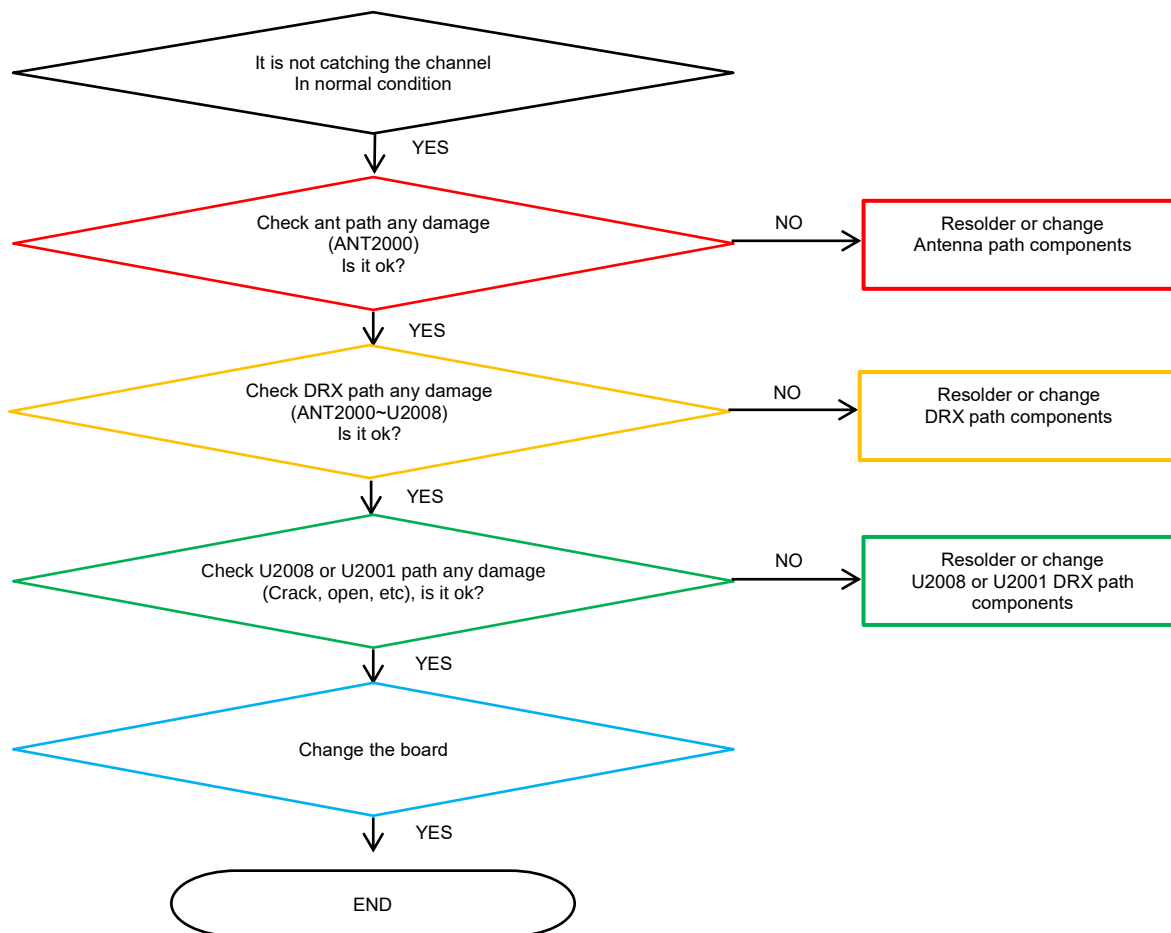
8. Level 3 Repair

8-4-22. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/32/38/40/41/66 TRX



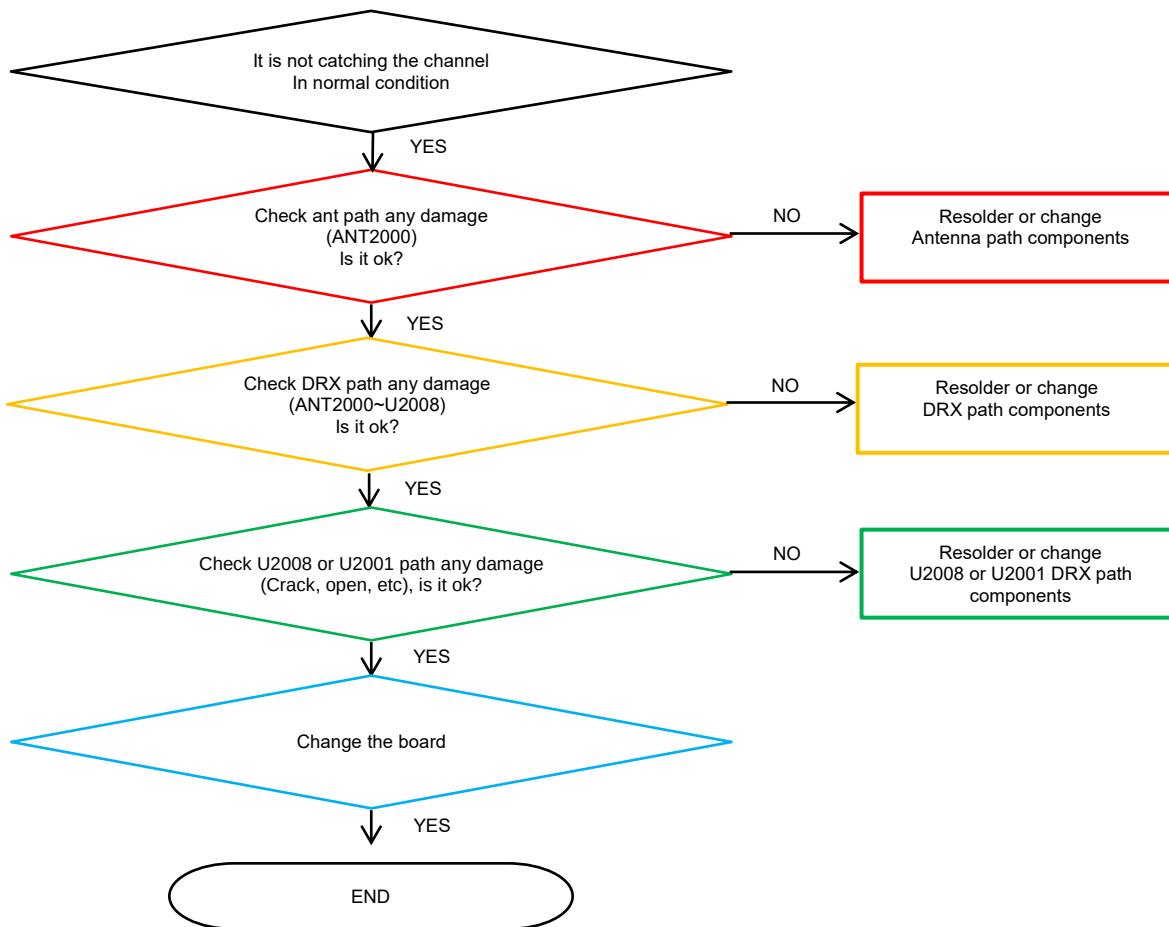
8. Level 3 Repair

8-4-23-1. GSM850/900, WCDMA B5/8, LTE B5/8/12/17/20/26/28 DRX [SM-A525F]



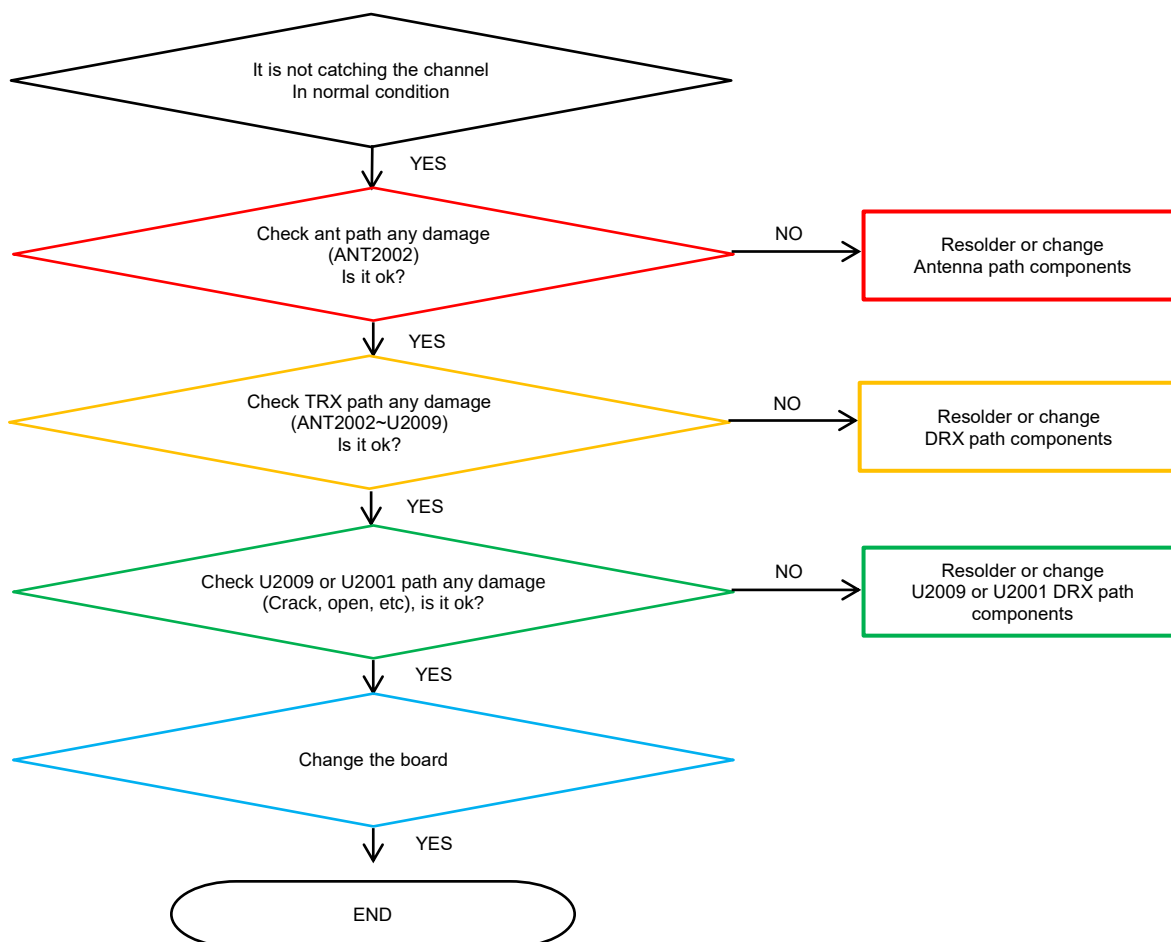
8. Level 3 Repair

8-4-23-2. GSM850/900, WCDMA B5/8, LTE B5/8/12/13/17/20/26/28 DRX [SM-A525M]



8. Level 3 Repair

8-4-24-1. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/32/38/40/41/66 DRX [SM-A525F]



8. Level 3 Repair

8-4-24-2. GSM DCS/PCS, WCDMA B1/2/4, LTE B1/2/3/4/7/38/40/41/66 DRX [SM-A525M]

