

E2 Rev0.0 Block Diagram

Confidential

SM-A217F/M
Common

[지원밴드]

2G:GSM900/DCS/PCS/GSM850
3G:B1/B2/(B4)/B5/B8
4G_FDD:B1/B2/B3/(B4)/B5/B7/B8/(B12)
/(B13)/(B17)/B20/B28/(B66)
4G_TDD:B38/B40/B41
(): LA항 전용 밴드

Main_H
Antenna

Main_M/L
Antenna

SUB
Antenna

GPS
Antenna

WiFi(BT)
Antenna

HB PAM
SKY77786-11

MMMB
SKY77656-11

Transceiver
S5M9150X01
-L030

BT/WIFI/FM
S5N5C12A01-
6630

26MHz TCXO
KT2016K260000ACW18TAS

WLBT

AP

Magnetic
(AK09918C)

Prox
(GP2AP110S00F)

6 Axes
(LSM6DSL)

GRIP
(SX9360IULTRT)

HALL IC
(AH1897T-FAN-7-71)

FINGER PRINT
(ET520)

LDO(w OCP)
(AP7346)

NFC
PN553(Optional)

T-Flash

Dual SIM

eMCP
3+32
or 4+64

LCD
6.55" HD+
TDDI
TD4150

LCD
BL IC
S2DPS01A01-6030

ModAP
(AP + CP)
EXYNOS3830

Audio Codec

AP/CP PMIC
S2MPU12X01-6030

SPK AMP
SMA1303

CAM PMIC
S2MPB03X01-6031

VT 13M CAM
Hi1336B

48M/20M
RCAM1
GM2/Hi201

2M RCAM2
Bokeh GC02M1B

8M RCAM3
UW S5K4HAYX03

2M RCAM4
Macro GC02M1

LDO
ET51518YB

LDO
ET51528YB

MIPI SWITCH
PI3WVR648GEAEX-71

MIPI SWITCH
DG2730DN-T1-GE4

MIPI SWITCH
DG2730DN-T1-GE4

IF PMIC
S2MU106X01-6030

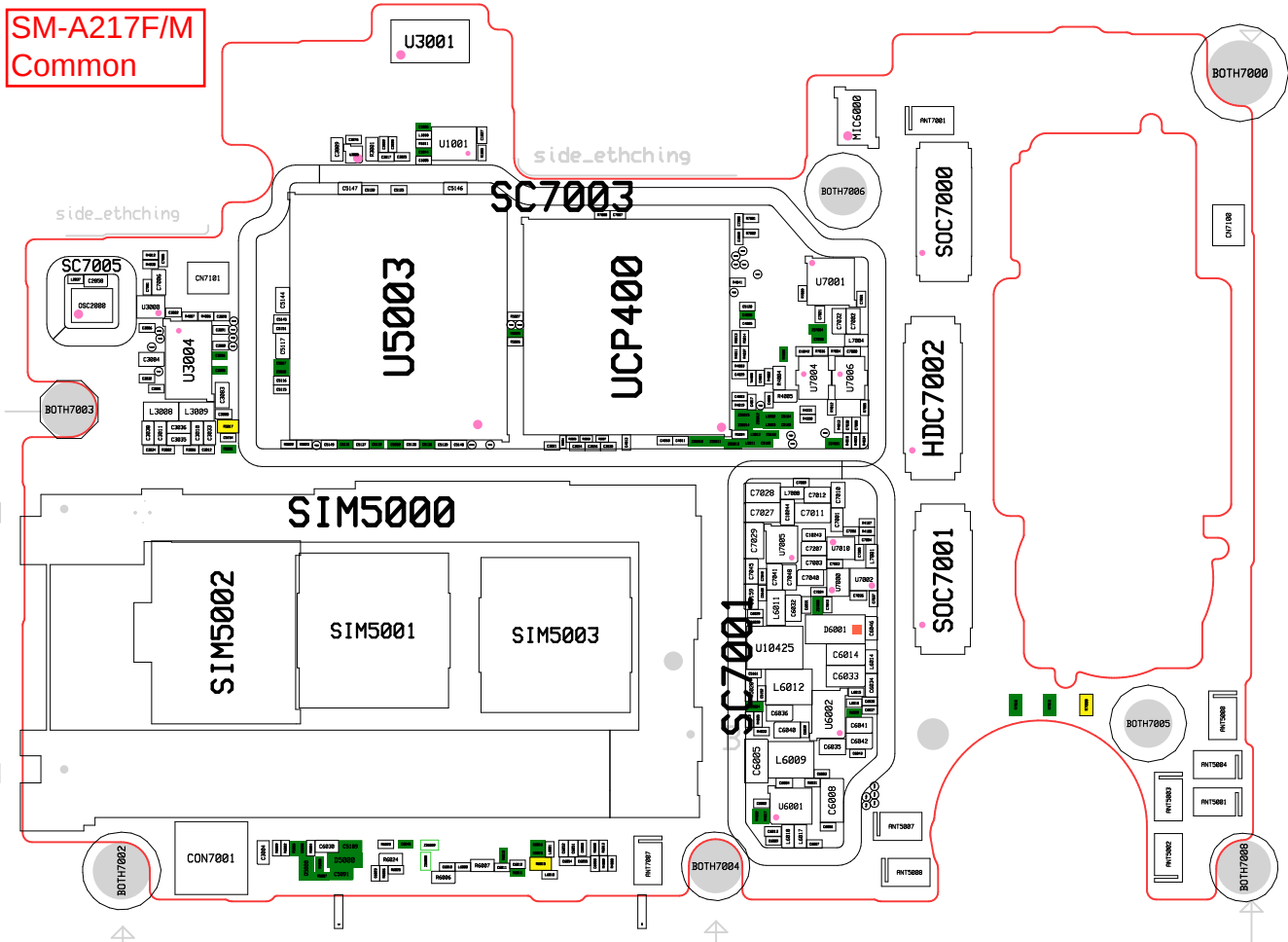
Motor

Flash LED

OVP/Load SW
ET9553M

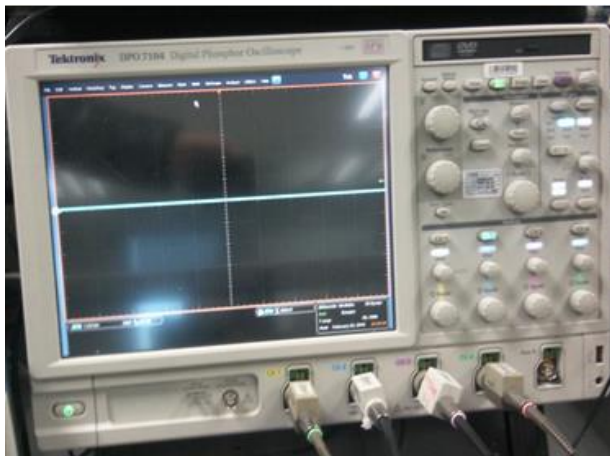
Type C
USB Conn.

SM-A217F/M
Common



8. Level 3 Repair

8-3. Flow chart of Troubleshooting.



Oscilloscope



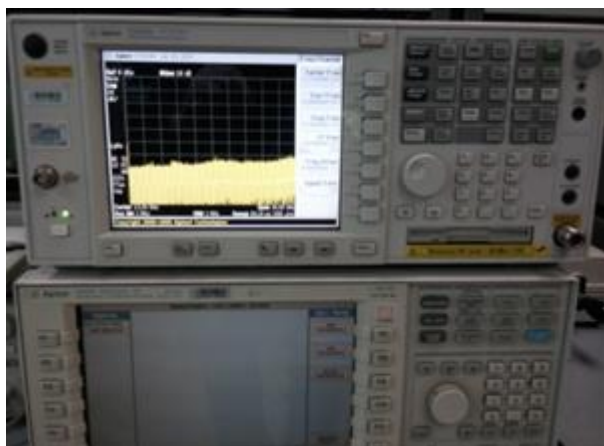
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



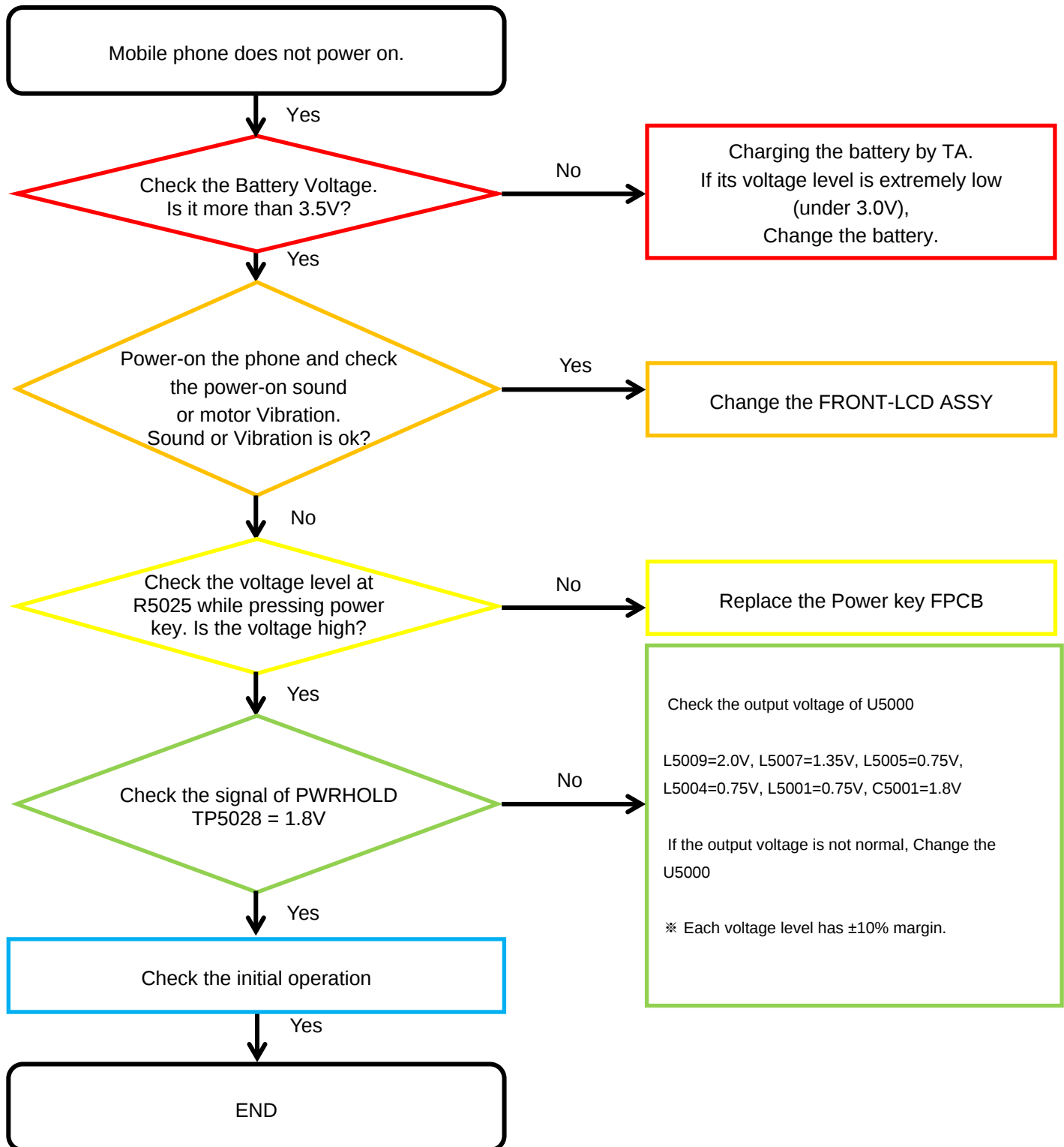
8960 & Spectrum Analyzer



Soldering iron

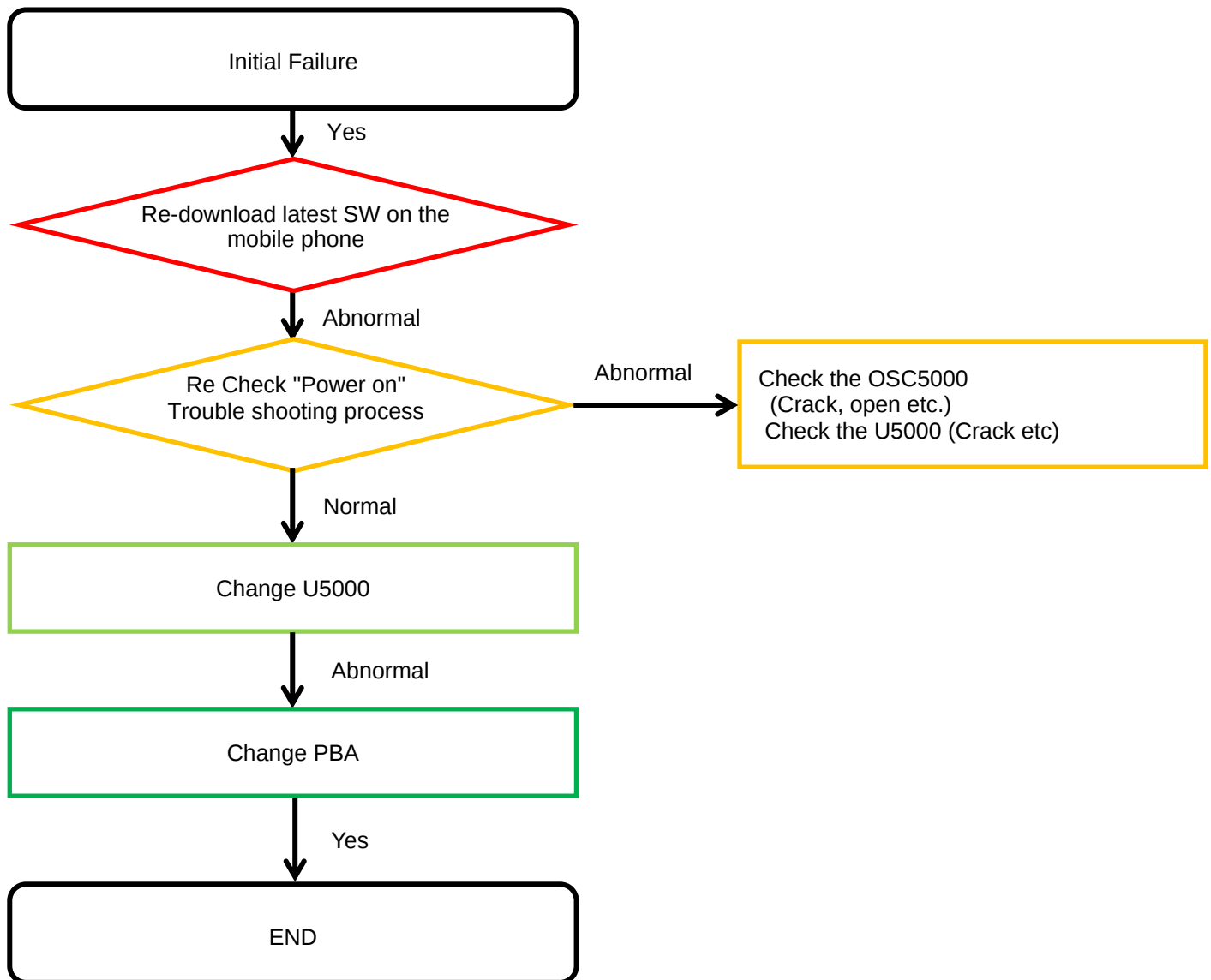
8. Level 3 Repair

8-4-1. Power On



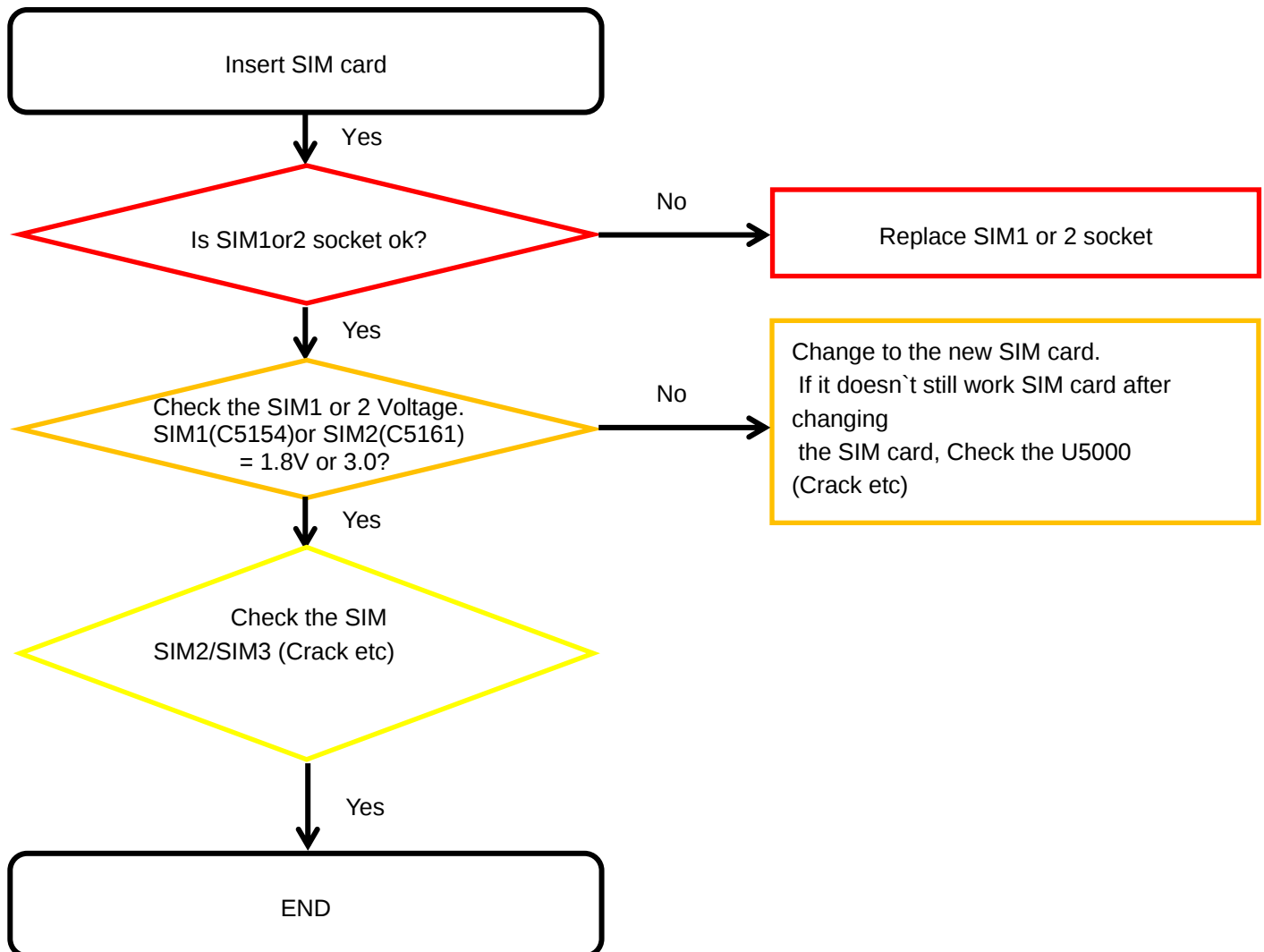
8. Level 3 Repair

8-4-2. Initial



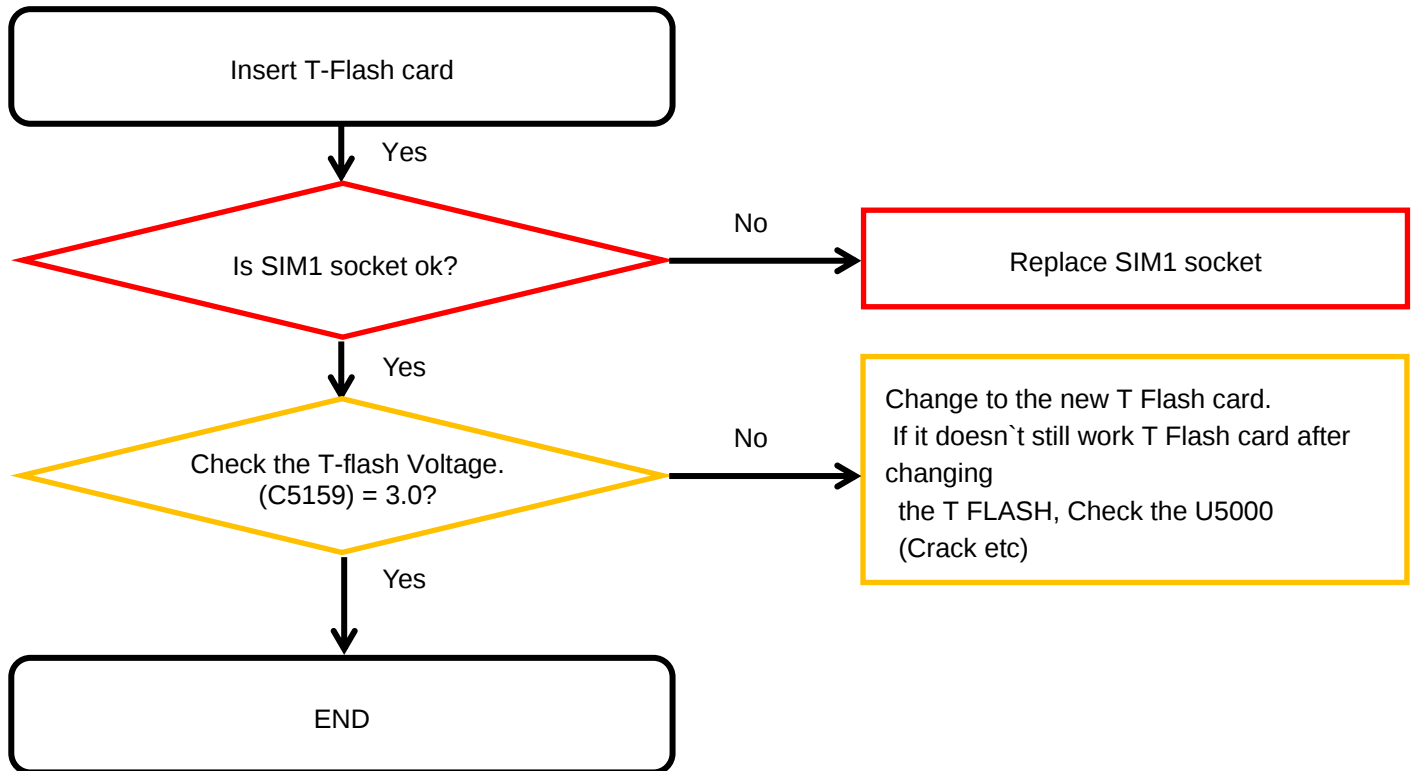
8. Level 3 Repair

8-4-3. SIM Part



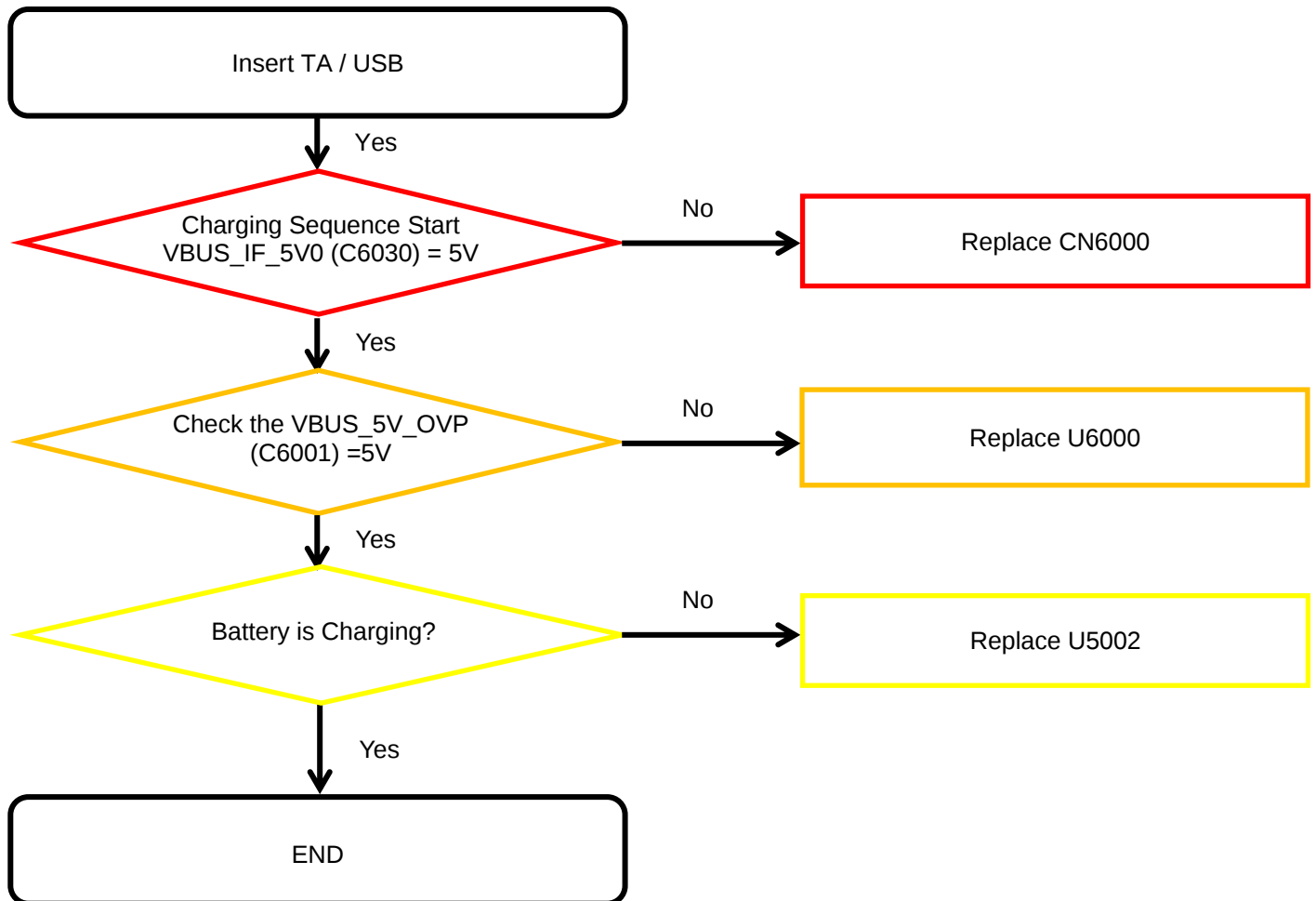
8. Level 3 Repair

8-4-4. T-Flash Part



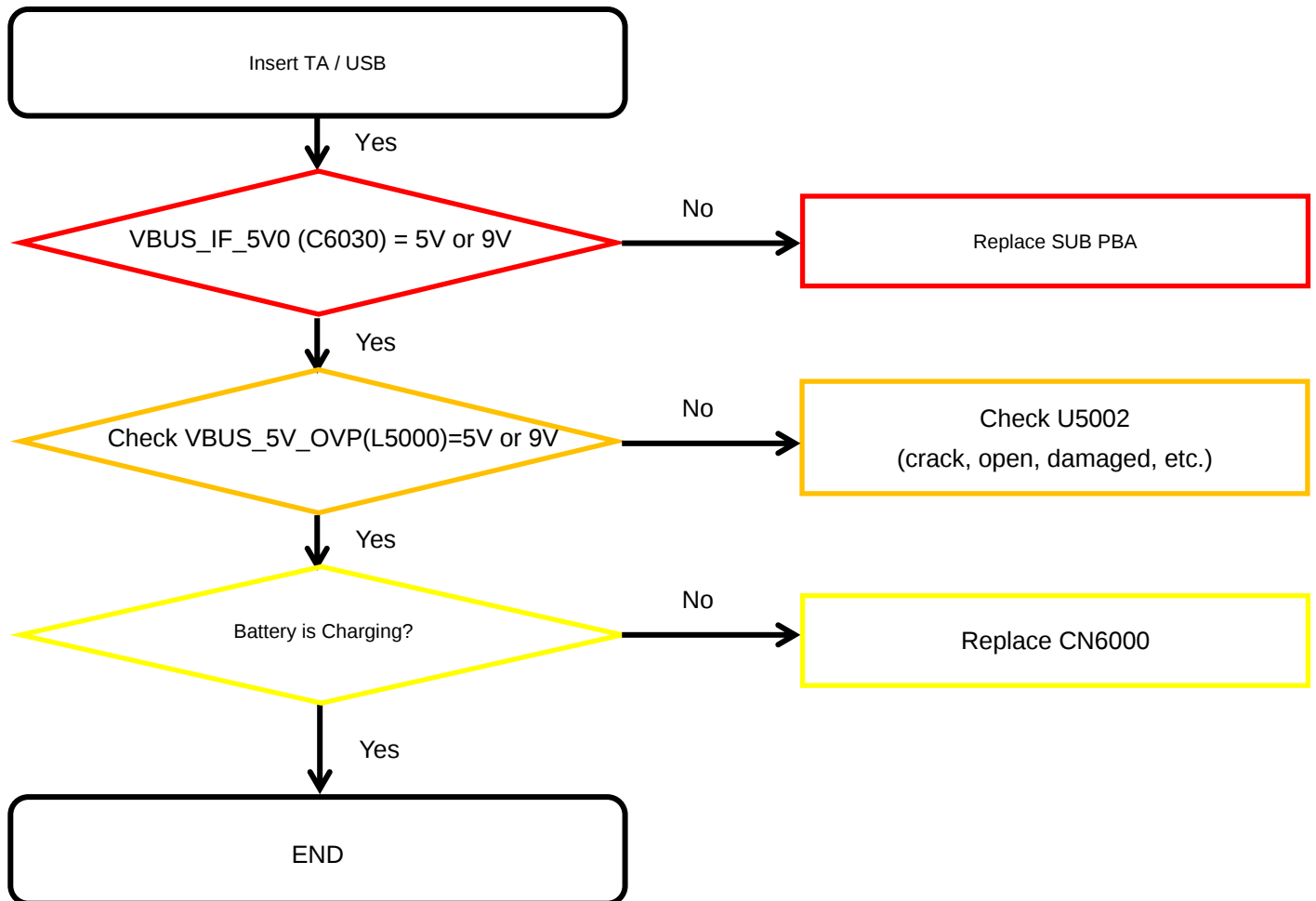
8. Level 3 Repair

8-4-5. Charging Part



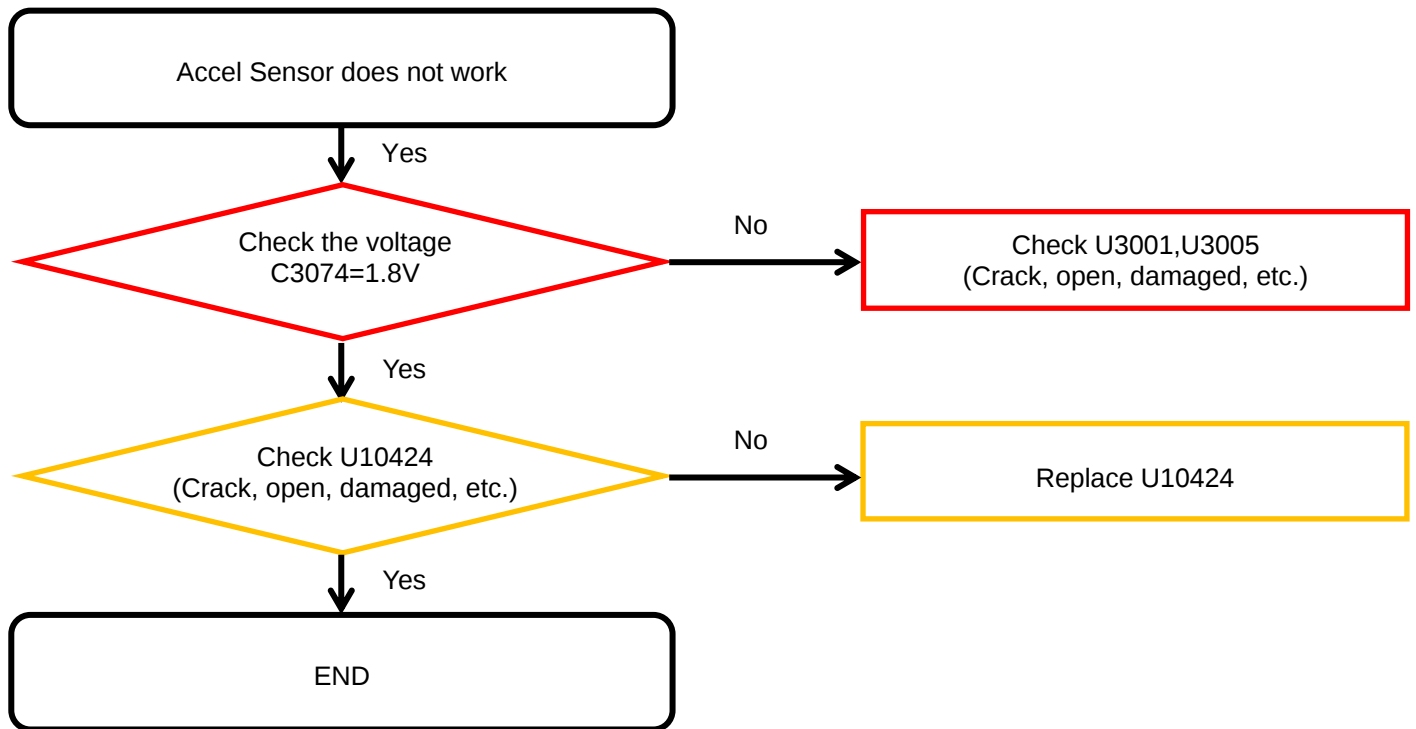
8. Level 3 Repair

8-4-6. Cable Charging Part



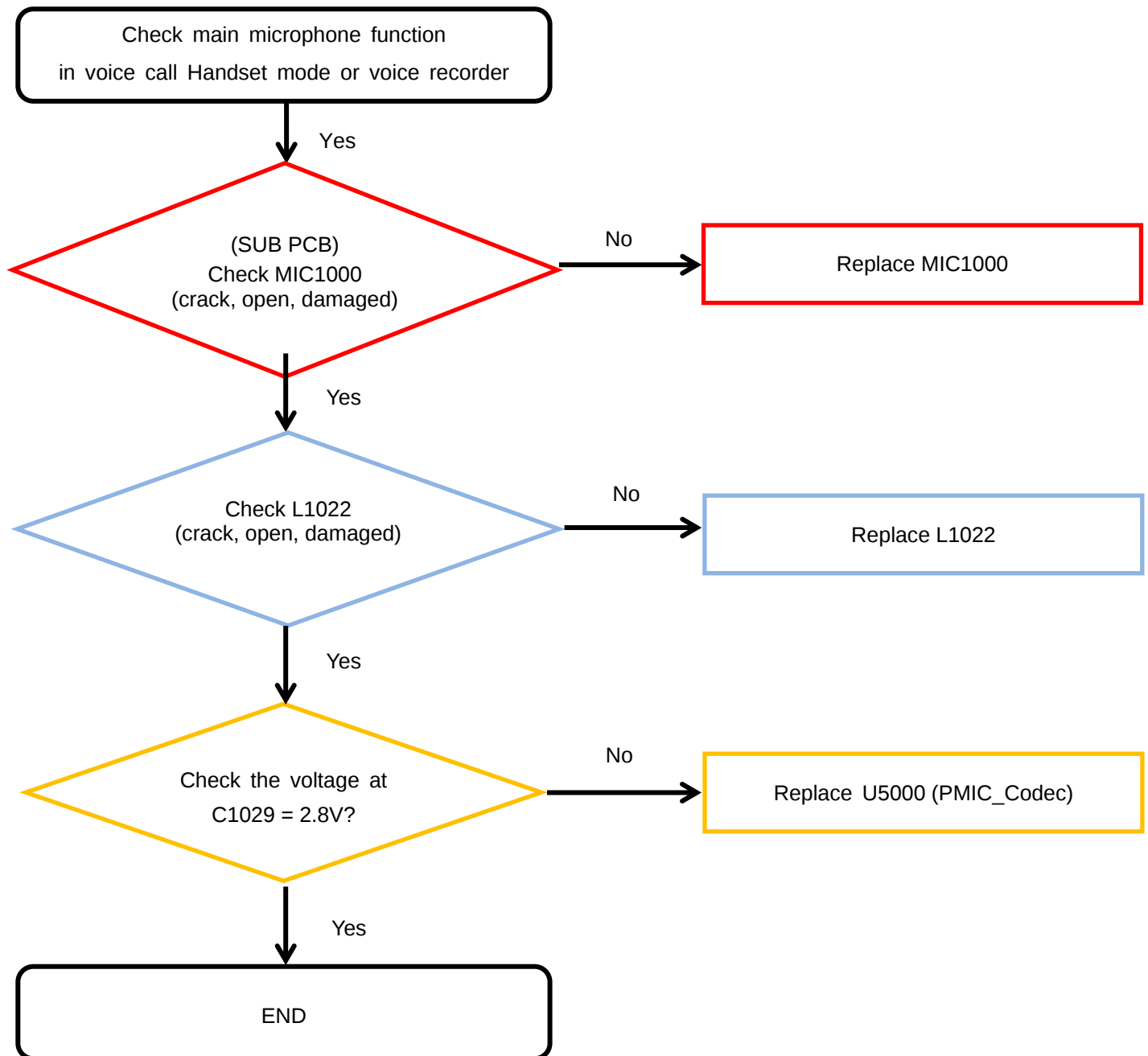
8. Level 3 Repair

8-4-7. Accel Sensor



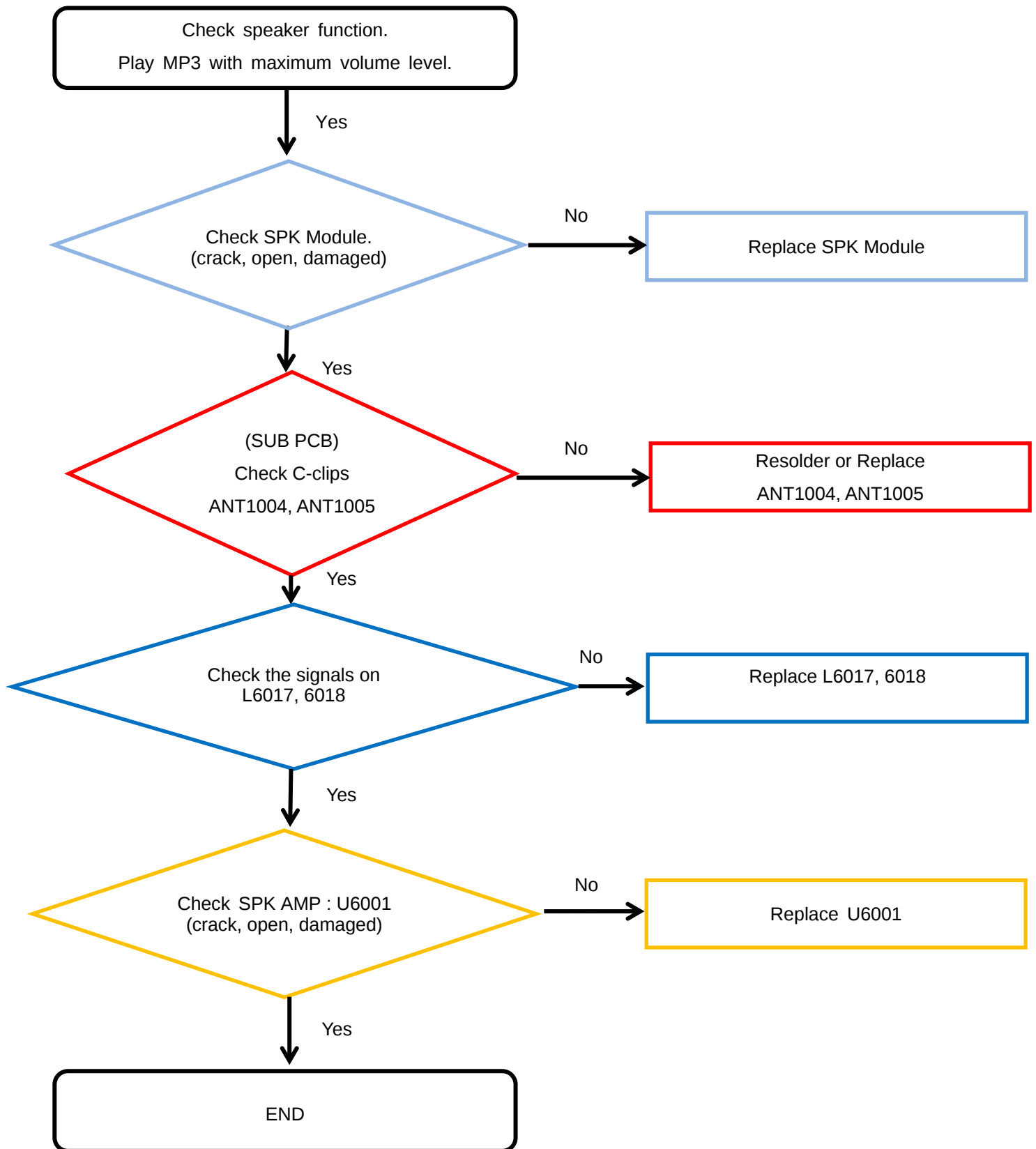
8. Level 3 Repair

8-4-8. Microphone Part - Main MIC



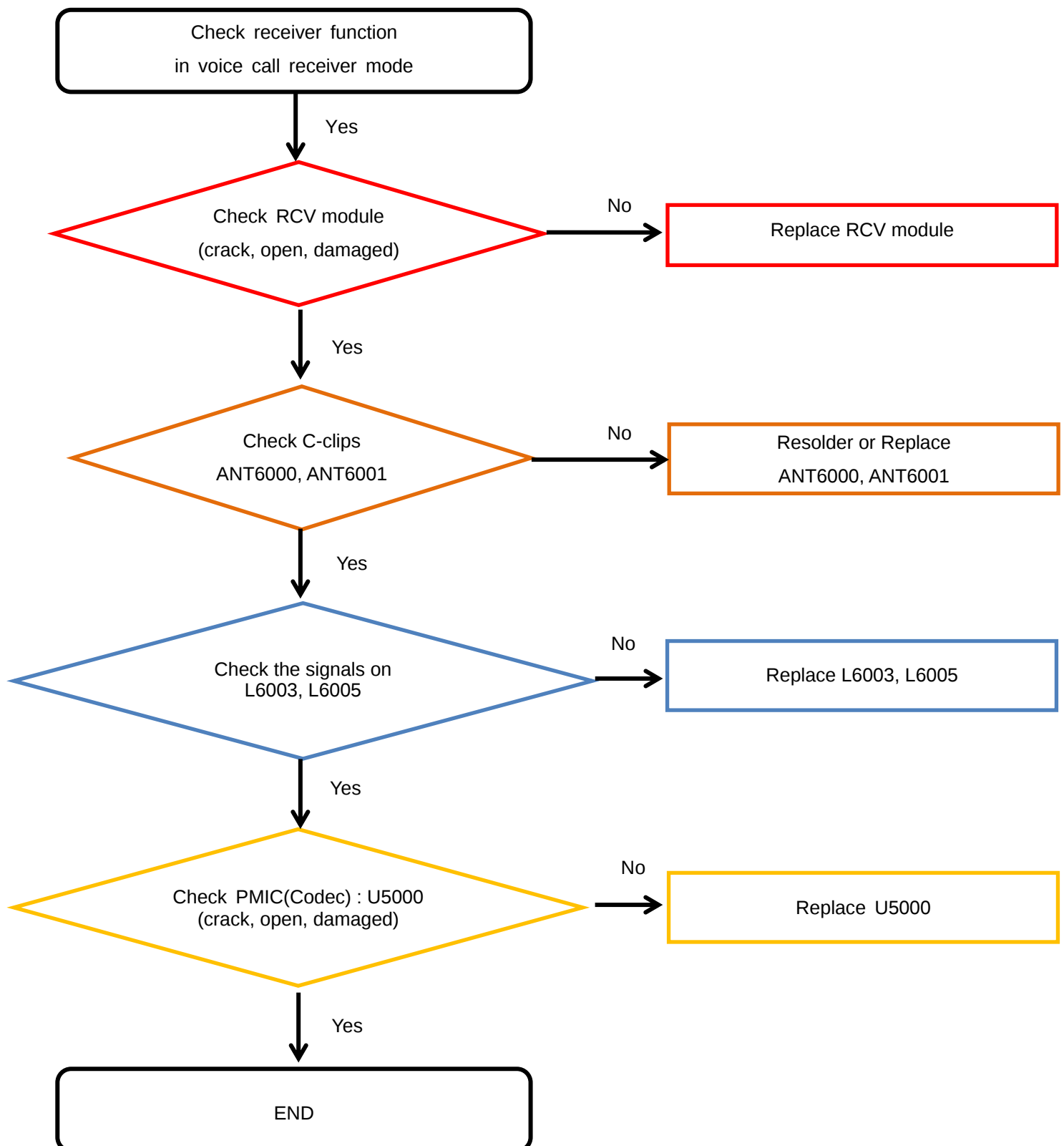
8. Level 3 Repair

8-4-9. Speaker Part



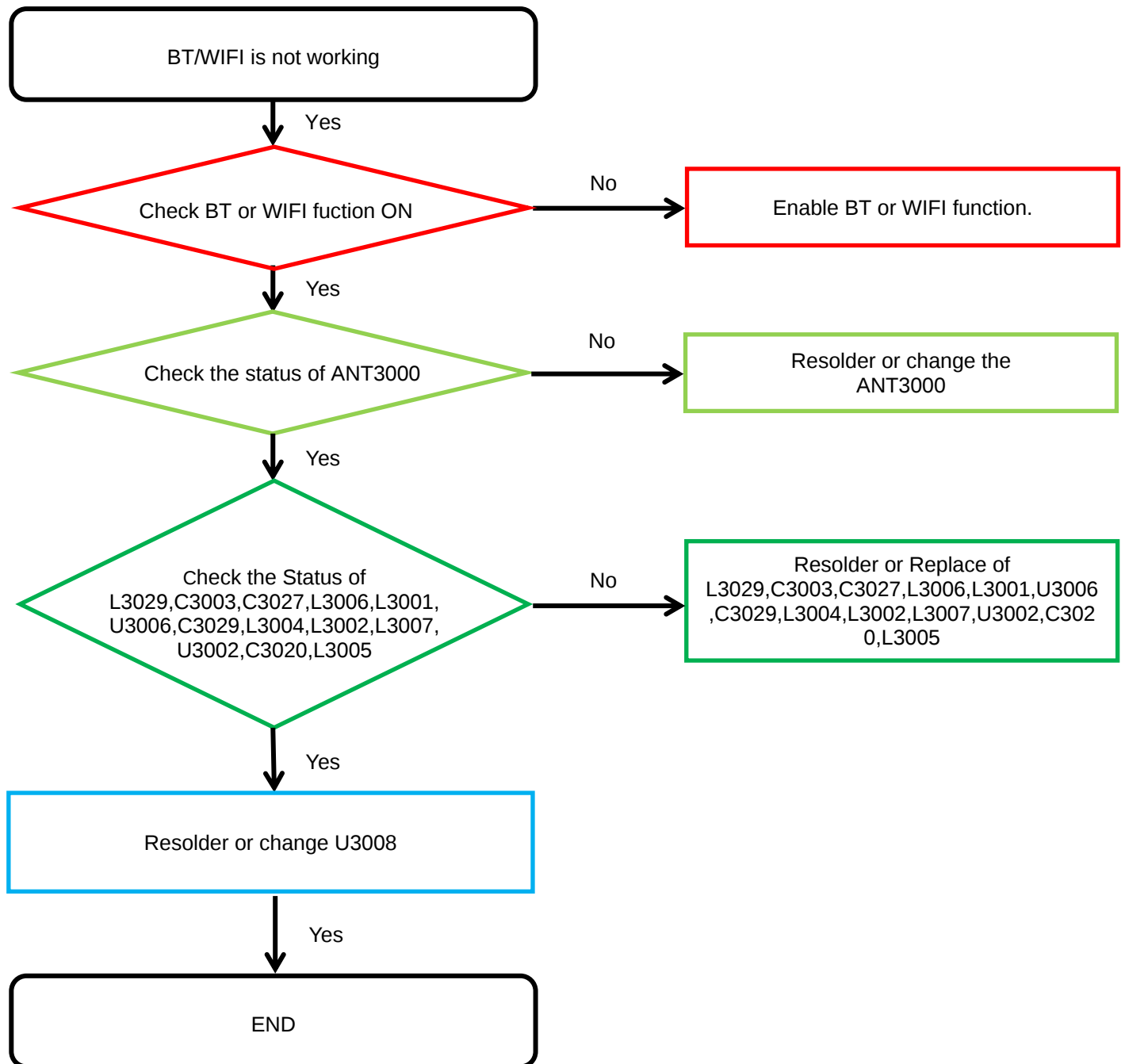
8. Level 3 Repair

8-4-10. Receiver Part



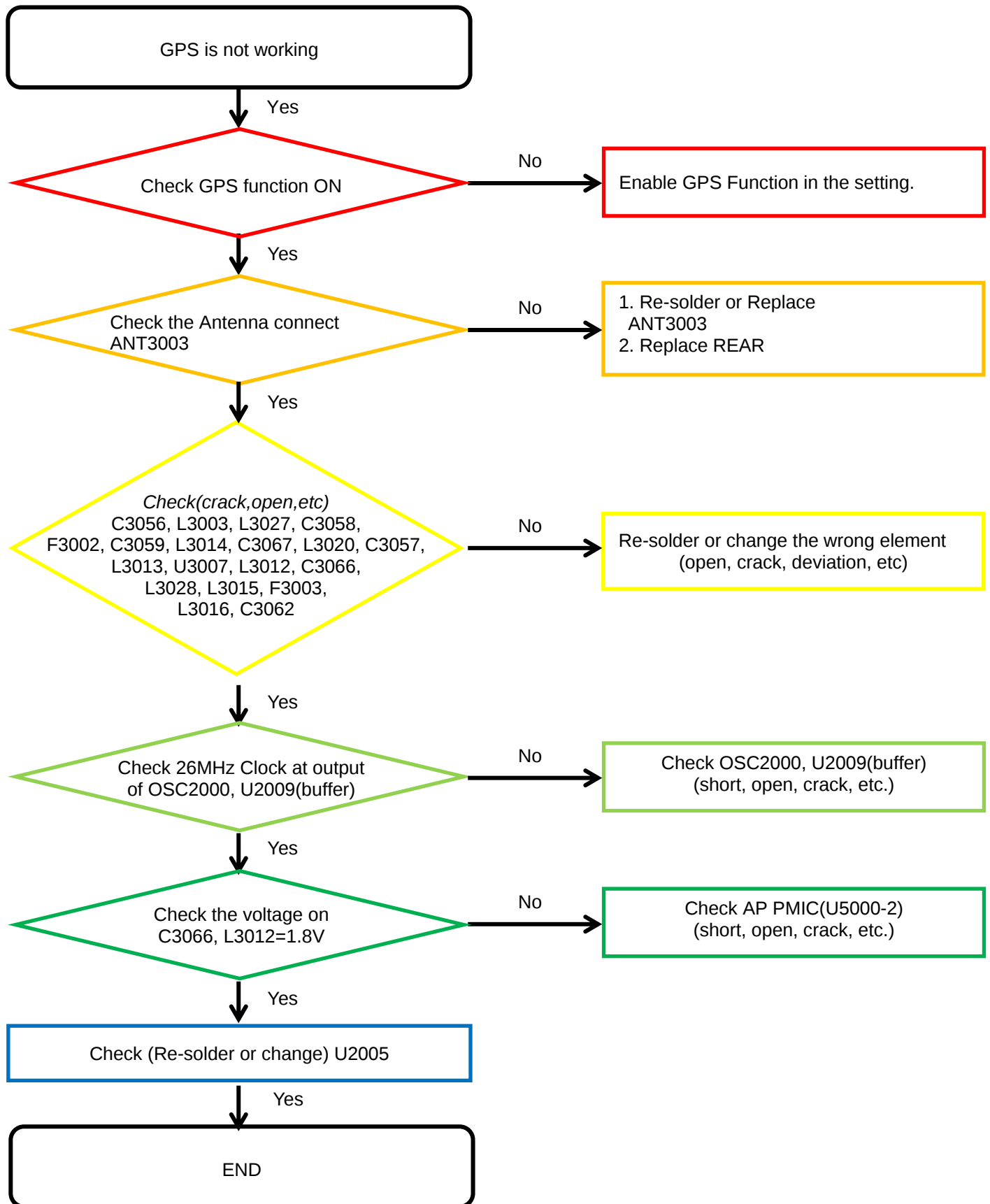
8. Level 3 Repair

8-4-11. BT/WIFI



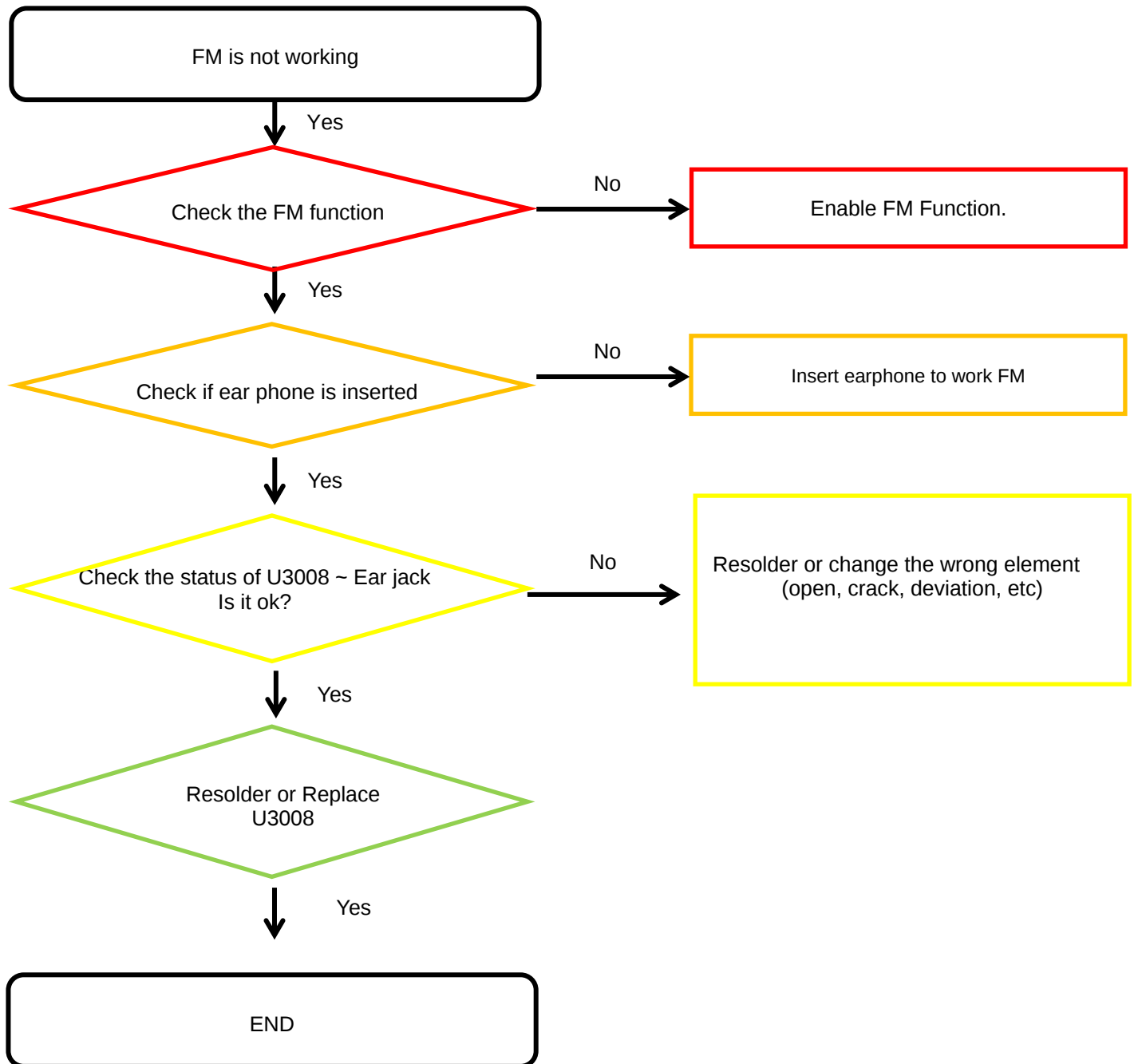
8. Level 3 Repair

8-4-12. GPS



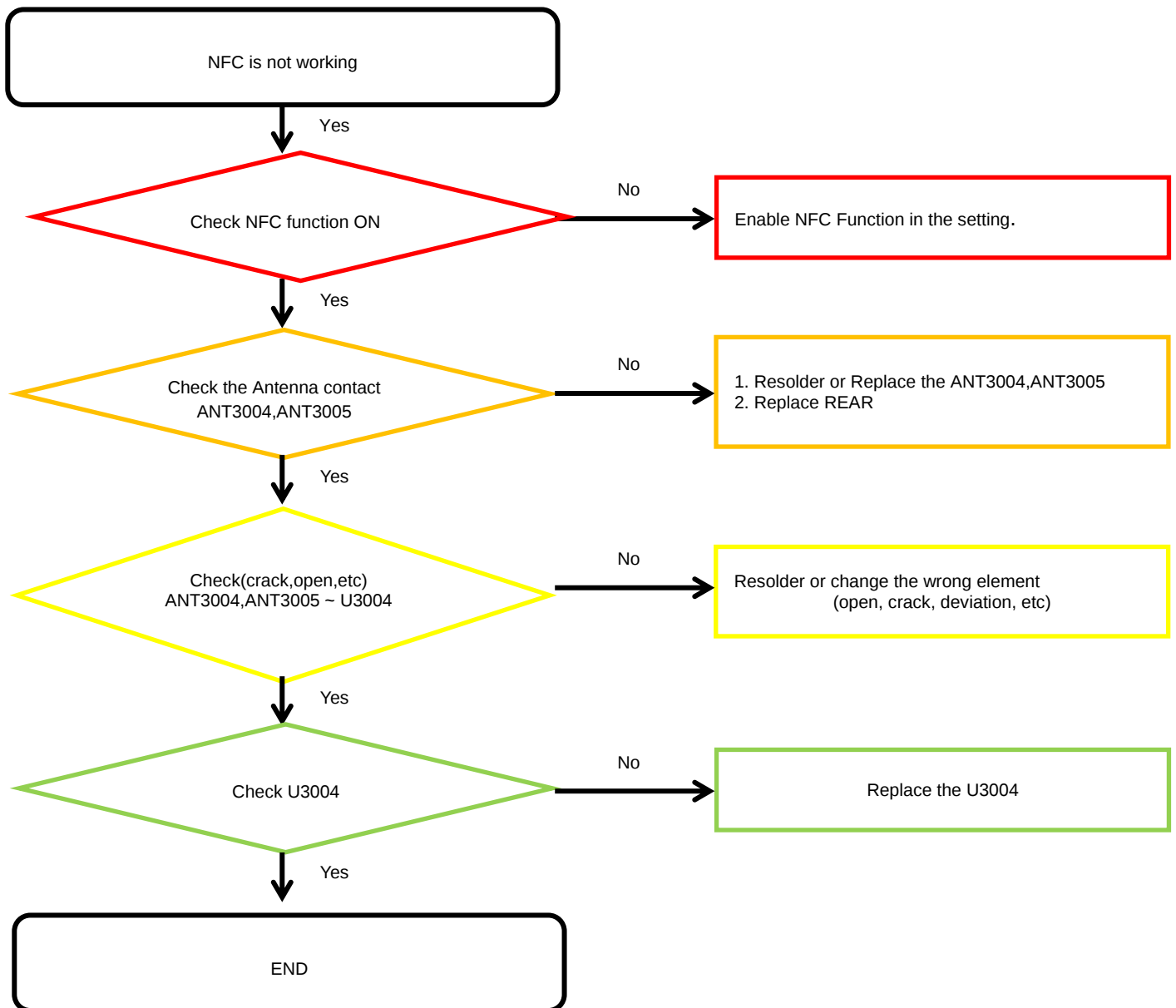
8. Level 3 Repair

8-4-13. FM radio part



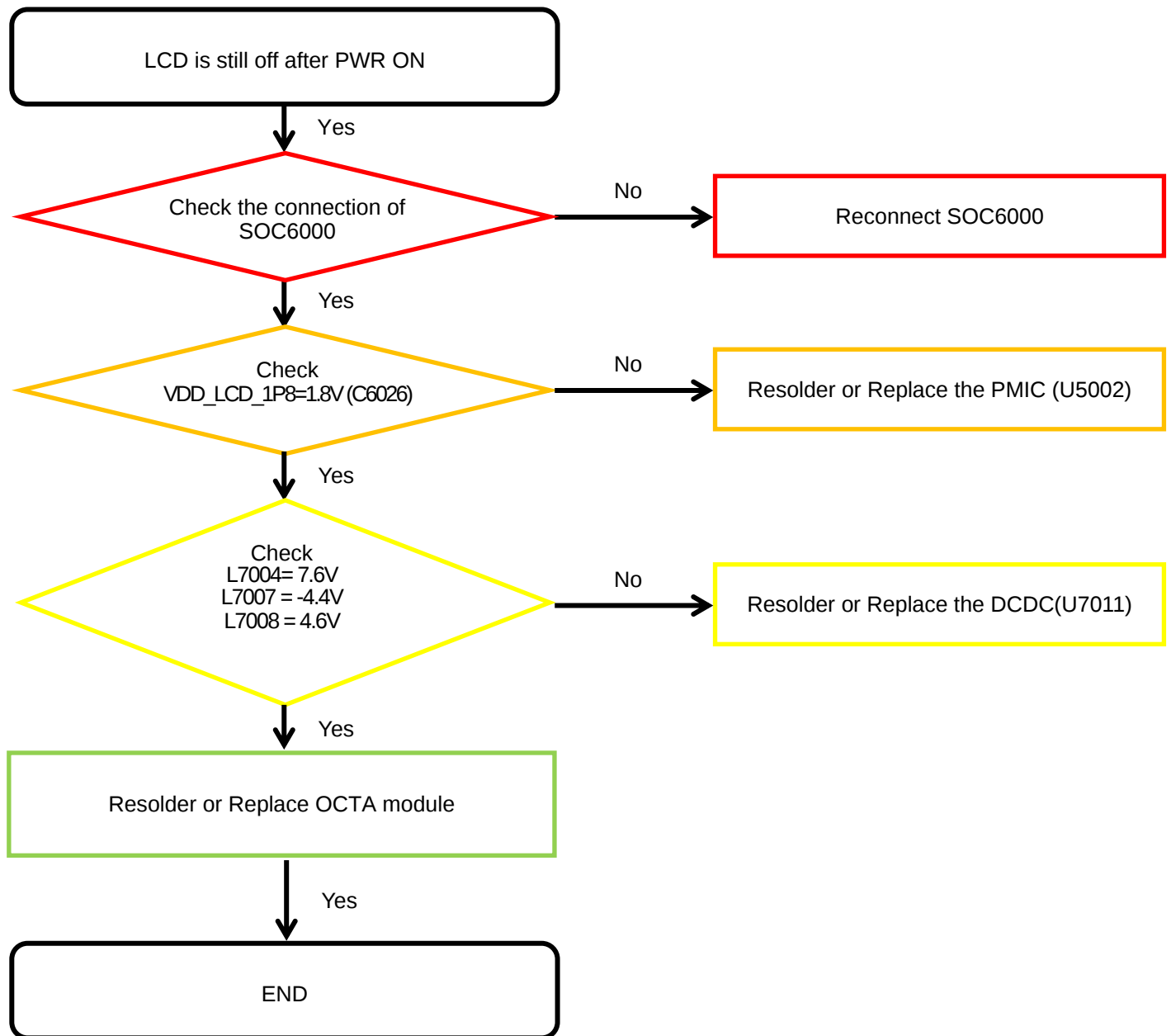
8. Level 3 Repair

8-4-14. NFC



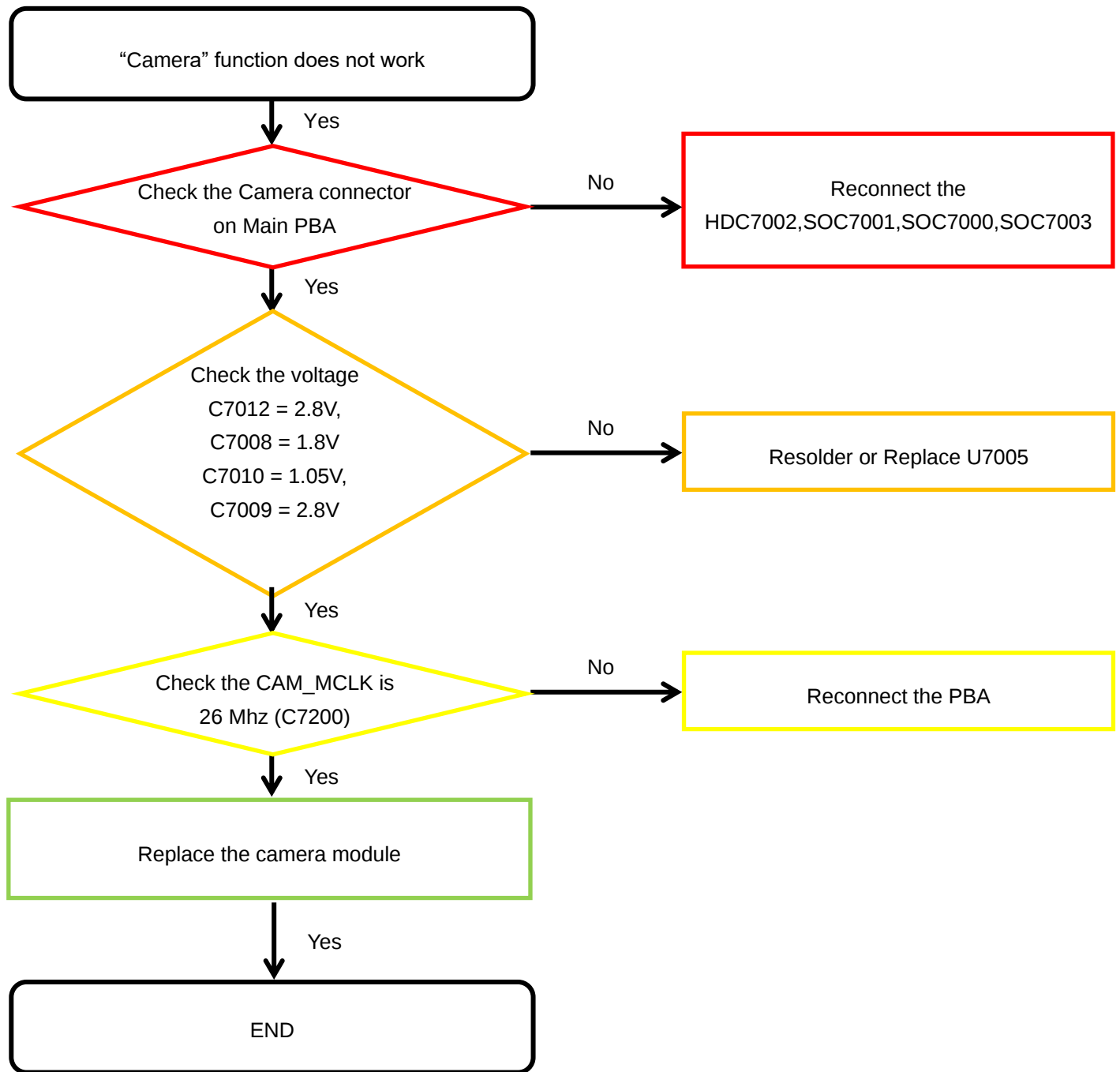
8. Level 3 Repair

8-4-15. Display



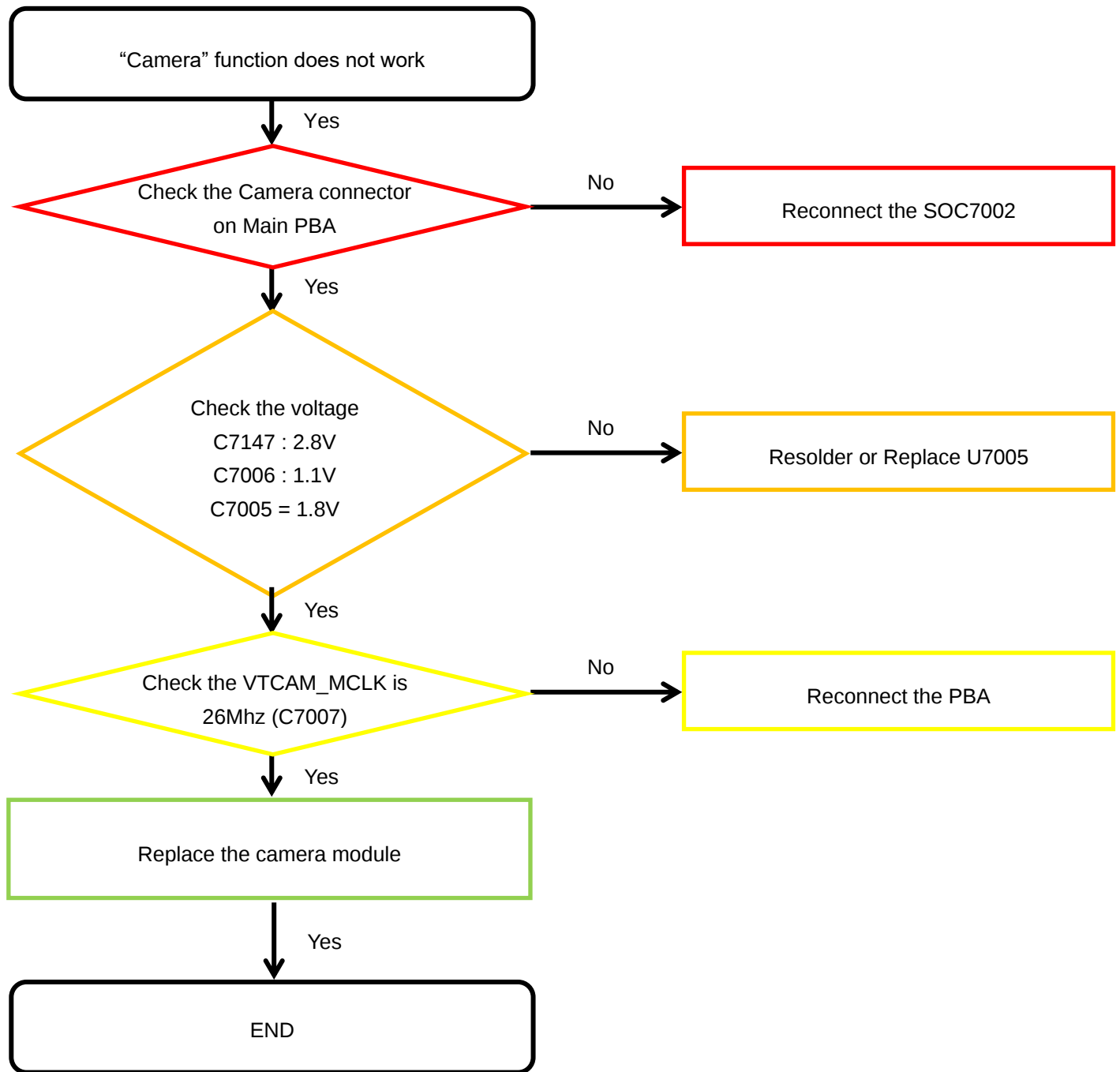
8. Level 3 Repair

8-4-16. Rear CAMERA



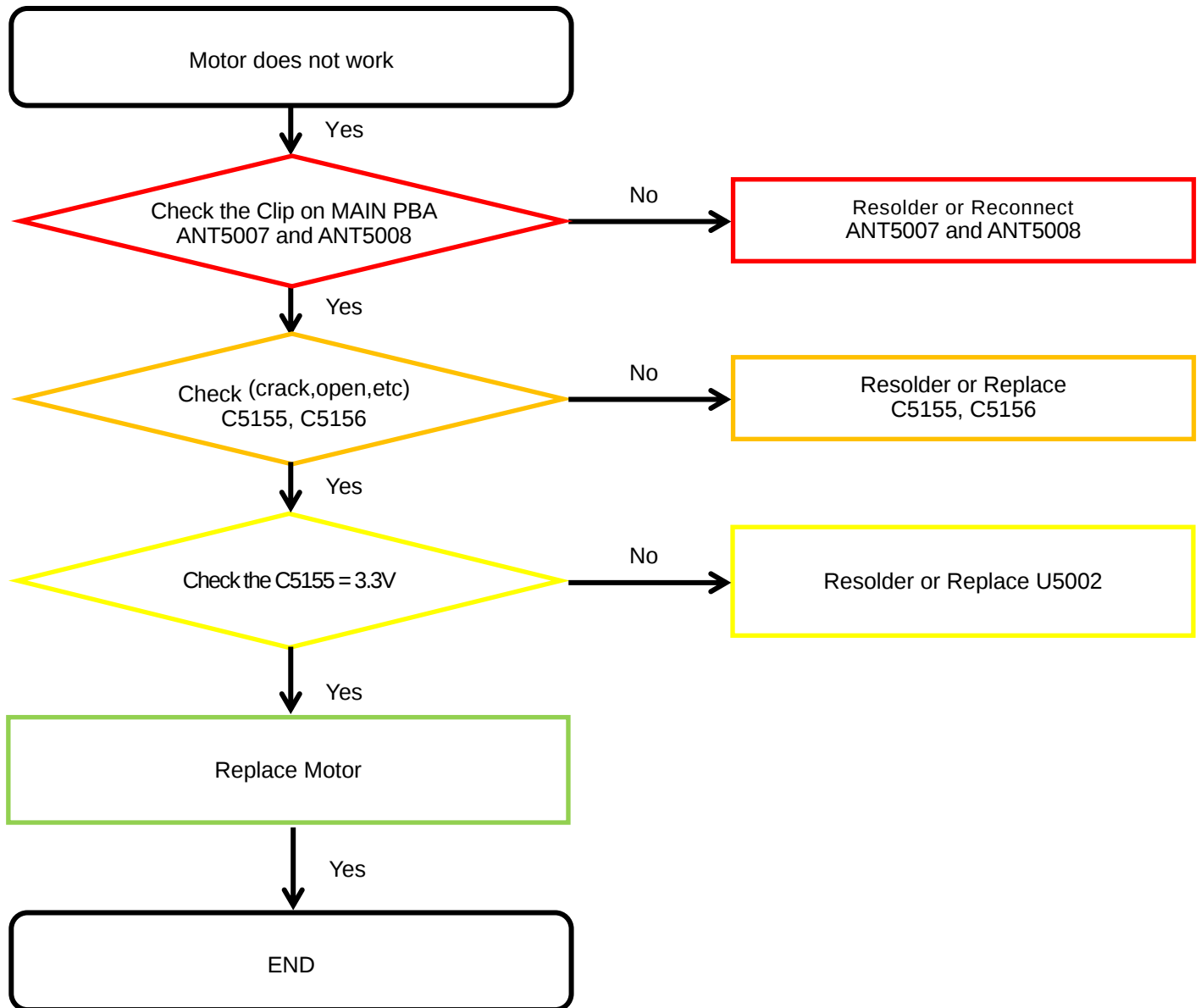
8. Level 3 Repair

8-4-17. Front CAMERA



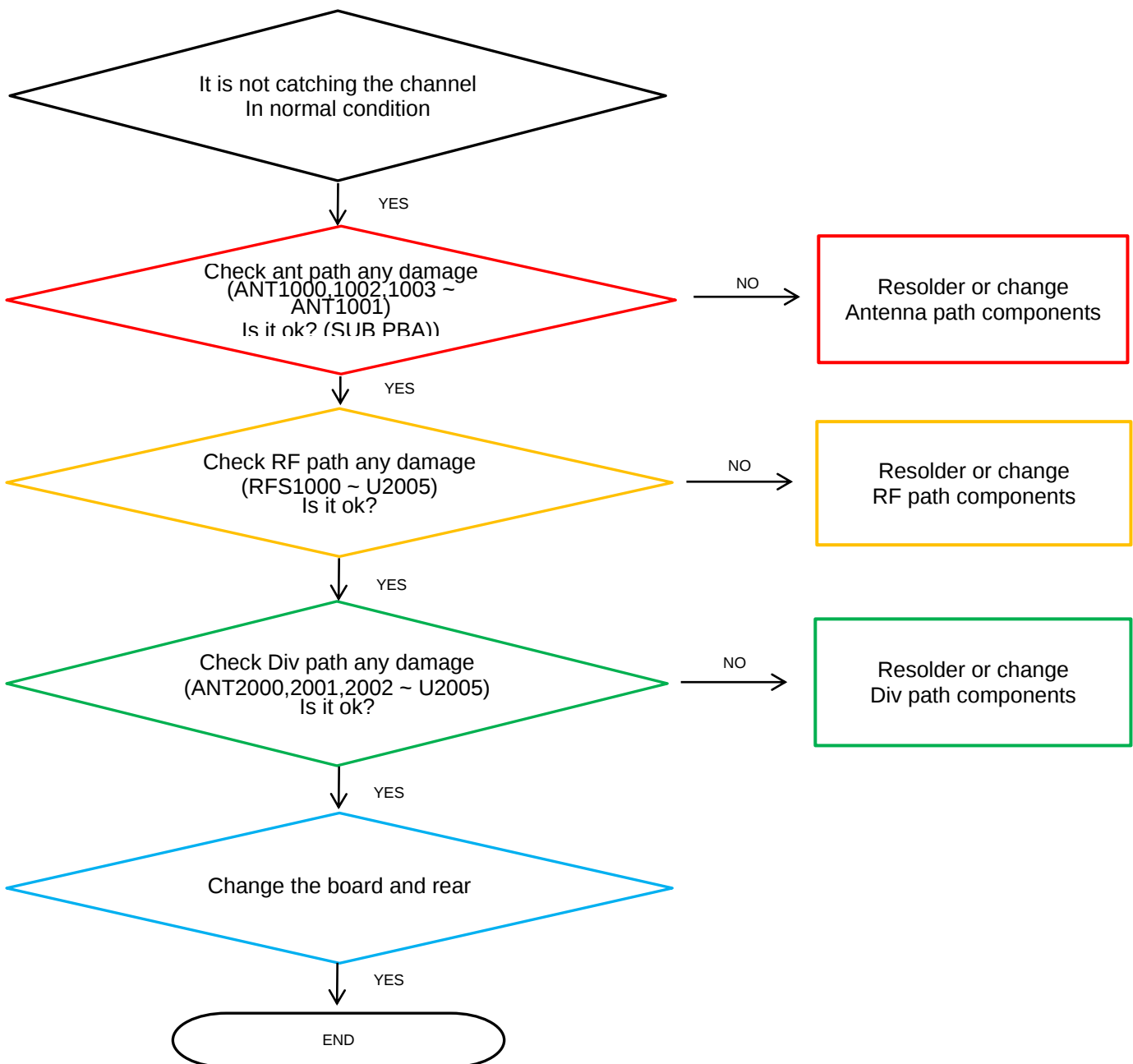
8. Level 3 Repair

8-4-18. Motor



8. Level 3 Repair

8-4-19. GSM/WCDMA/LTE1,2,3,5,8,20,28



8. Level 3 Repair

8-4-20. LTE 7, 38, 40, 41

