7. Level 2 Repair

7-1. Speaker module Repair

7-1-1. Notice
- It is necessary to calibrate the speaker for all cases of replacing the speakers.
- Target models : Galaxy A(A3/5/7/8/9), E(E5/7) Series

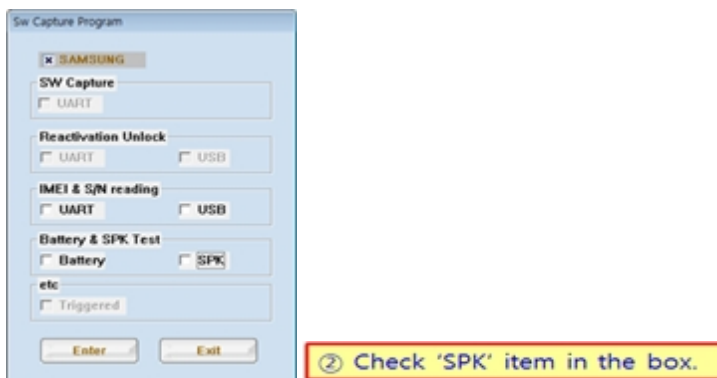### 7-1-2. You need:
- Mobile device
- Laptop or Note PC
- Anyway Jig
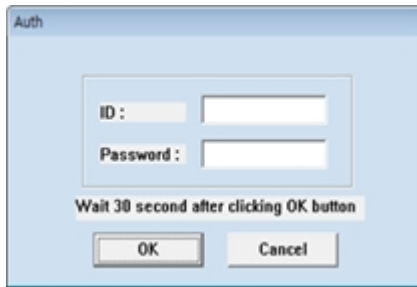- UART Serial Cable
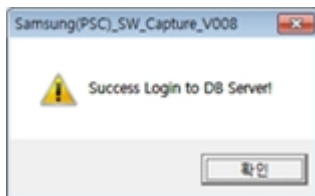- IF Test Cable (Different by models)

7-1-3. Lay-out

7-1-4. How to Calibrate Speaker

① Run 'Samsung(PSC)_SW_Capture_V008.exe'.
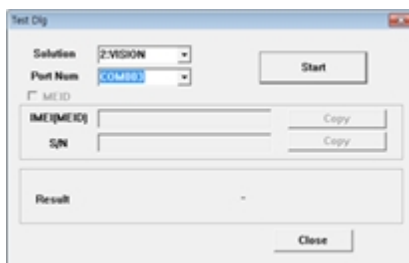

② Check 'SPK' item in the box.
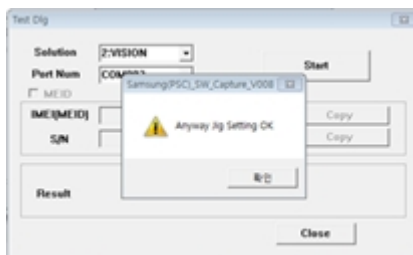
7. Level 2 Repair

③ Input GSPN ID and Password, then press 'OK'.

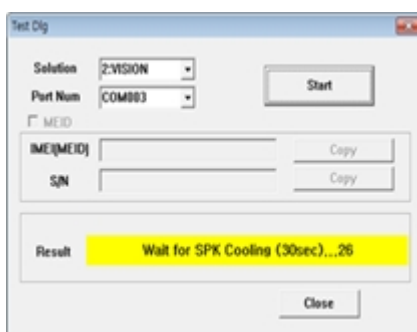④ Confirm Login to DB Server to press '확인'.

⑤ Set Port Number and press 'Start'.

⑥ Confirm the Anyway Jig Setting to press '확인'.

⑦ Connect Mobile device to IF Test cable, then power on to press power key.
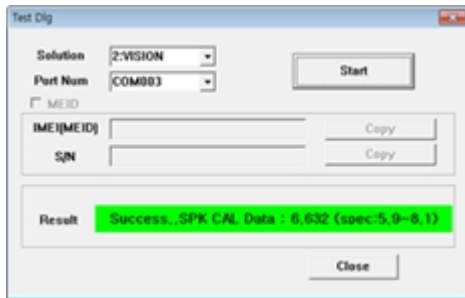※ Phone should be powered off before test.

⑦ Speaker Calibration will start within 30 seconds after Booting complete.
※ LCD must be turned on in order to test properly.

7. Level 2 Repair

Solution	2:VISION
Port Num	COM803
MEID	
IMEI(MEID)	Copy
S/N	Copy
Result	Success.,SPK CAL Data : 6,632 (spec:5,9~8,1)

⑧ Confirm whether the Speaker Calibration is done successfully.

7. Level 2 Repair

7-2-1. Notice
- It is necessary to initialize the battery accumulated usage for all cases of replacing the batteries.

7-2-2. You need
- Mobile device
- Laptop or Note PC
- Anyway Jig
- UART Serial Cable
- IF Test Cable (Different by models)

7-2-3. Lay-out

7-2-4. How to Initialize battery accumulated usage

① Run 'Samsung(PSC)_SW_Capture_V008.exe'.
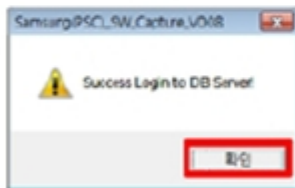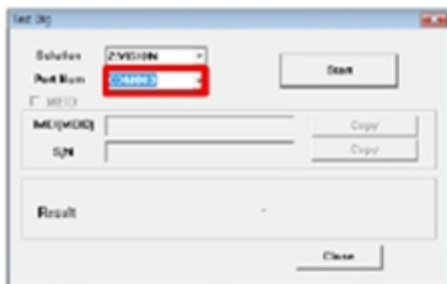

② Check 'Battery' item in the box.

7. Level 2 Repair

③ Input GSPN ID and Password, then press 'OK'.

④ Confirm Login to DB Server to press '확인'.

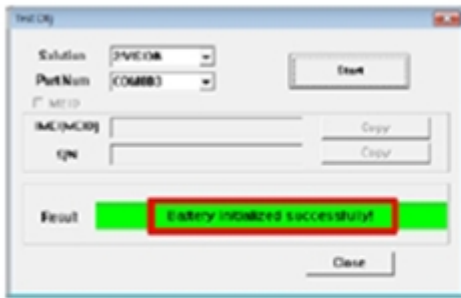⑤ Set Port Number and press 'Start'.

⑥ Confirm the Anyway Jig Setting to press '확인'.

⑦ Connect Mobile device to IF Test cable,
   then power on to press power key.
※ Phone should be powered off before test.

7. Level 2 Repair

⑧ Battery Accumulated Usage Initialization will start as soon as Booting complete.
※ LCD must be turned on in order to test properly.
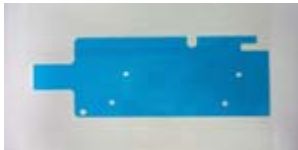
7. Level 2 Repair

7-3. Pre-requisite

Tweezers / Disass'y Stick / Screw Driver	**Anti-static Gloves**
OCTA Disassembly Holder	**Anti-static Mat**
Acryl Jig Rework Form	**Glass Absorbers (2ea)**
Tape Rework Form	**Mobile Dryer**

7. Level 2 Repair

7-4. Parts which must be changed after repair

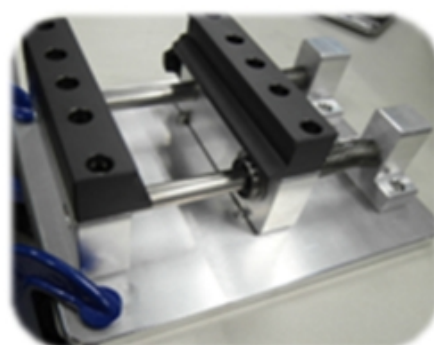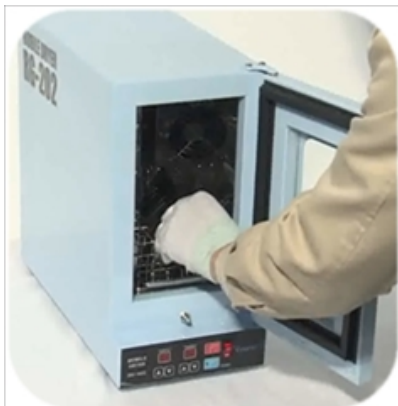| BOM Discription	Picture	Remarks
A/S-TAPE_ MAIN_WINDOW_SVC [GH02-12500A] [GH02-12502A]	[TOP_GH02-12500A] [BOT_GH02-12502A]	Replace when repair Front part
A/S-TAPE_BACK_GLASS_SVC [GH81-13766A]		
A/S-TAPE HR BRACKET SVC [GH02-12531A]		
A/S-TOUCH KEY_TOP TAPE [GH81-13645A]		

7. Level 2 Repair

7-5. Disassembly
※ Be careful to put on antistatic wrist strap !

[1] After heatingfor 15~30 minutes at 70~80℃,take out the device from Mobile dryer.	**[2] Detach the Back Cover from SET using Back Cover Disassembly Holder.**
[3] Loosen 18 screws. ※ Caution Take care of scratch and damage.	**[4] Disassemble follow the sequence.** ※ Caution Be careful not to Damage
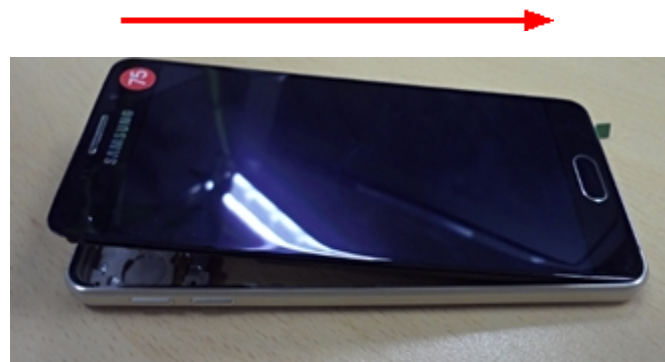
7. Level 2 Repair

[5] Disassemble the coaxial Cable Head.	**[6]** **1) Detach OCTA, Home Key,Battery,RCV Connector .** **2) Detach the SUB PBA connector using Disassy stick.** **3) Separate PBA from Brocket.** ※ Caution 1) Be careful not to damage. 2) Separate PBA after detach the PBA Conn. 3) Using disassy stick.

[7] Detach Mega Cam and Front Cam, SUB MIC on PBA. ※ Caution Be careful not to Damage	**[8] Detach 3 tape attached on the proxi. sensor.**

7. Level 2 Repair

[9] Detach RCV+sensor, Motor, Battery.

[10] Detach OCTA using detaching JIG.
※ Caution
 Be careful not to Damage

[11]
1) Loosen 1 screws.
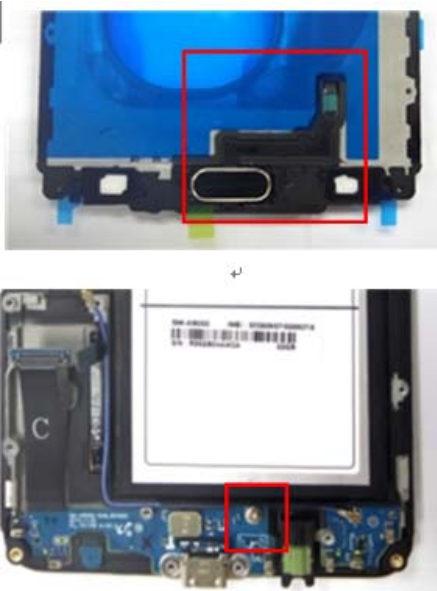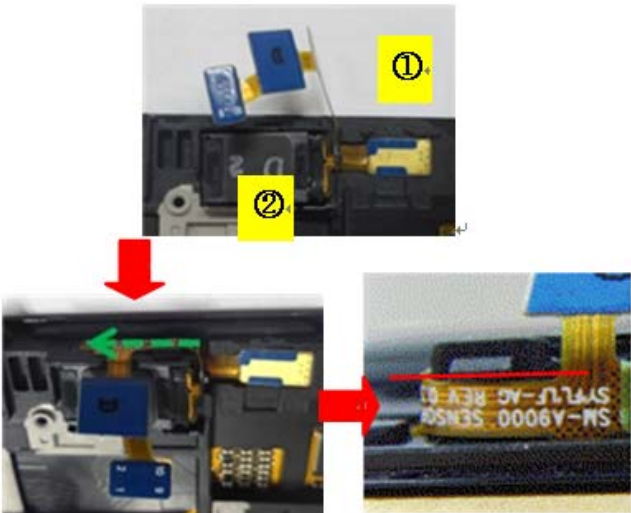**2) Detach the Touch key and Sub PBA from Bracket**
※ Caution
 Be careful not to Damage

7. Level 2 Repair

7-6. Assembly

※ Be careful to put on antistatic wrist strap !

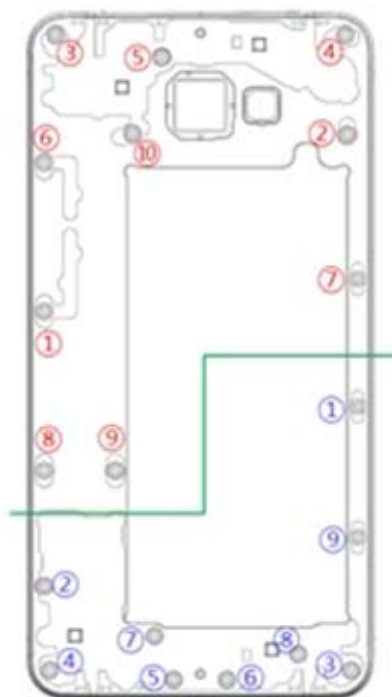|	
[1] 1) Assemble the Home key 2) Assemble SUB PBA and Screw 1 Point	**[2]** 1) Assemble OCTA on Bracket 2) Push the OCTA outside with thumbs enough.
[3] 1) Assemble Motor, RCV+sensor 2) Press Battery using Battery Press JIG	**[4]** 1) First, put the sersor on the Barket and assemble the RCV 2) Check the Fpcb status.

7. Level 2 Repair

[5] Attach 3 tape on the Sensor

[6] Assemble Mega CAM and Front Cam,Sub MIC.
※ Caution
Be careful not to Damage

[7]
1) Assemble   SUB PBA Conncetor.
2) Put PBA ass'y on Bracket.
3) Assenble the 4 connector
 (OCTA, Home key, Battery, RCV+Sensor)

[8] Assmeble Coaxial Cable

7. Level 2 Repair

[9] Assemble Rear to Bracket assy (from bottom to Top)	**[10] Screw 17 Point**
[11] Attach Back Cover	**[12] Press SET using OCTA PRESS Jig (1N for 1 minute)**