
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\(A3/5/7/8\), E\(E5/7\) Series](#)

7-1-2. You need:

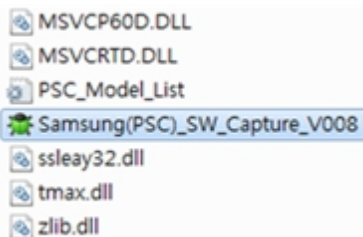
- Mobile device
- Laptop or Note PC
- Anyway Jig
- UART Serial Cable
- IF Test Cable (Different by models)

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.



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



Auth

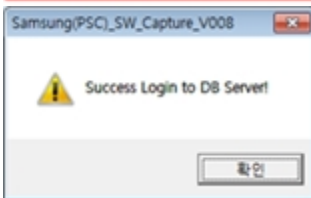
ID :

Password :

Wait 30 second after clicking OK button

OK Cancel

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

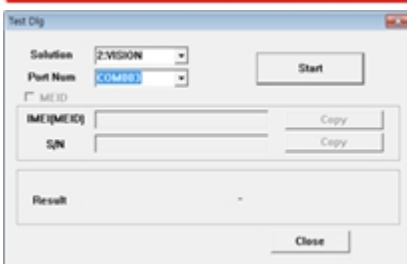


Samsung(PSC)_SW_Capture_V008

Success Login to DB Server!

확인

⑤ Set Port Number and press 'Start'.



Test Dig

Solution: 2-VISION

Port Num: COM103

Start

IMEI(MEID) Copy

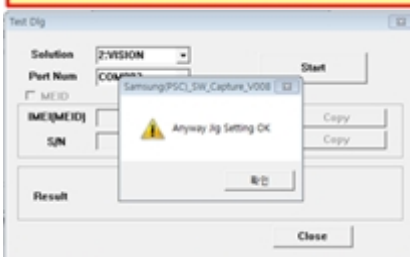
S/N Copy

Result: -

Close

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.



Test Dig

Solution: 2-VISION

Port Num: COM103

Start

IMEI(MEID) Copy

S/N Copy

Result: -

Close

Anyway Jig Setting OK

확인

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

The screenshot shows the 'Test Dig' application window. At the top, there are two dropdown menus: 'Solution' set to '2:VISION' and 'Port Num' set to 'COM883'. To the right of these is a 'Start' button. Below the dropdowns is a checkbox labeled 'MEID' which is currently unchecked. Underneath the checkbox are two input fields: 'IMEI(IMEID)' and 'SN'. To the right of each input field is a 'Copy' button. At the bottom of the window, there is a 'Result' section with a yellow background displaying the text 'Wait for SPK Cooling (30sec)...26'. A 'Close' button is located at the very bottom right of the window.

- ⑧ Confirm whether the Speaker Calibration is done successfully.

This screenshot shows the same 'Test Dig' application window as the previous one, but with updated results. The 'Result' section now has a green background and displays the text 'Success...SPK CAL Data : 6.632 (spec:5.9~8.1)'. The 'Start' button is now disabled. The 'Close' button remains at the bottom right.


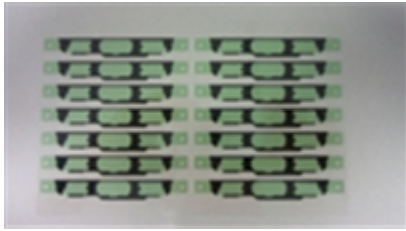
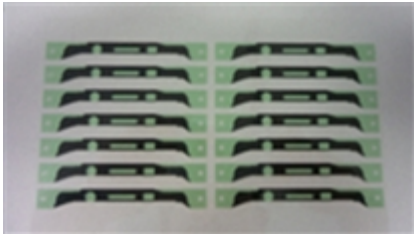

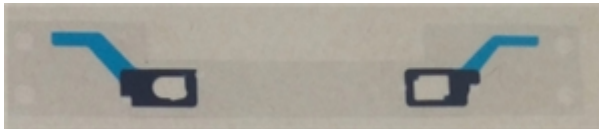
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7-2. Pre-requisite

	
Tweezers / Disass'y Stick / Screw Driver	Anti-static Gloves
	
Anti-static Mat	Anti-static Mat
	
A OCTA Disassembly Holder	OCTA Disassembly Upper
	
Ethyl Alcohol	Cotton Swab

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7-3. Parts which must be changed after repair

BOM Discription	Picture	Remarks
A/S- TAPE_BACK_GLASS_SVC [GH81-13535A]		Replace whne repair all cases
TAPE DOBLE FACE-OCTA BTM [GH02-11593A]		Replace when repair Front Part
TAPE DOBLE FACE-OCTA TOP [GH02-11588A]		
A/S- TAPE_HR_BRACKET_SVC [GH81-13534A]		
A/S-Touch key top Tape [GH81-13587A]		

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7-4. Disassembly

<div data-bbox="92 320 188 387">1</div> <div data-bbox="209 434 671 1016"></div>	<div data-bbox="810 320 906 387">2</div> <div data-bbox="908 510 1398 891"></div>
<p>1) Only use alcohol, but do NOT pre-heat With mobile dryer or hot plate Inject minimum alcohol into Back Glass</p>	<p>1) Detach the Back Cover from SET using Back Cover Disassembly Holder.</p>
<div data-bbox="92 1158 188 1225">3</div> <div data-bbox="209 1196 592 1240">1) Loosen 17 screws.</div> <div data-bbox="309 1274 572 1778"></div>	<div data-bbox="810 1158 906 1225">4</div> <div data-bbox="911 1158 1497 1225">1) Disassemble follow the sequence.</div> <div data-bbox="812 1308 1481 1671"> </div>
<p>※ Caution</p> <p>1) Take care of scratch and damage.</p>	<p>※ Caution</p> <p>Be careful not to Damage</p>

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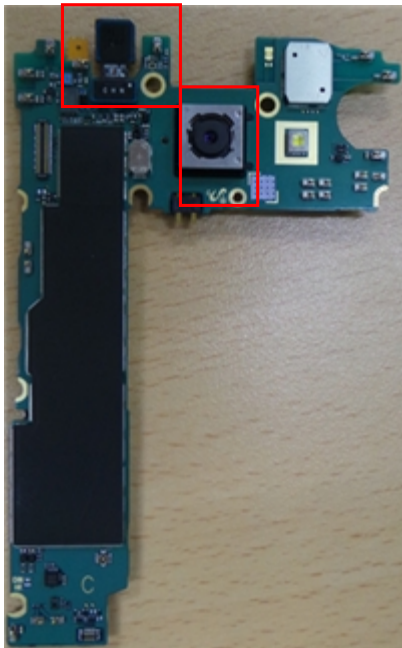
6



- 1) Loosen 1 Screws in PBA Ass'y
- 2) Disassemble the coaxial Cable Head.
- 3) Open OCTA, Home Key, Sub PBA Connector

- 1) Take Main PBA out from bottom to top.
※ Be careful not to damage.

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- 1) Detach Mega Cam and Front Cam on PBA
※ Be careful not to damage.

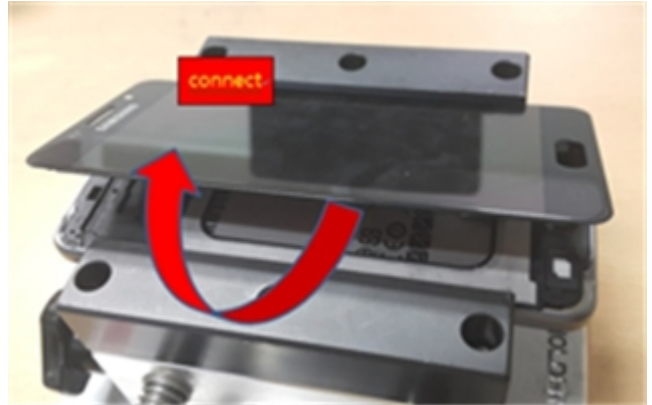
- 1) Detach Rcv, Motor, Speaker and Battery

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- 1) Detach OCTA using detaching JIG
※ Confirm OCTA connector position disassembly

- 1) Lift OCTA up about 2cm
※ Do not disassemble completely

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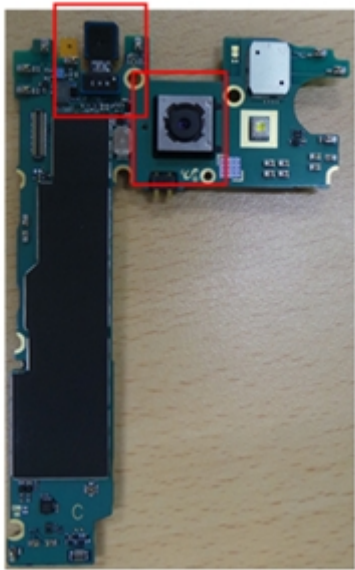


- 1) Disassemble Rear case then take out OCTA connector
※ Do not disassemble OCTA before disassemble Rear

- 1) Detach OCTA and Home Key Connector and Coaxial Cable from PBA
2) Separate PBA from Brocket.
※ Be careful not to damage.

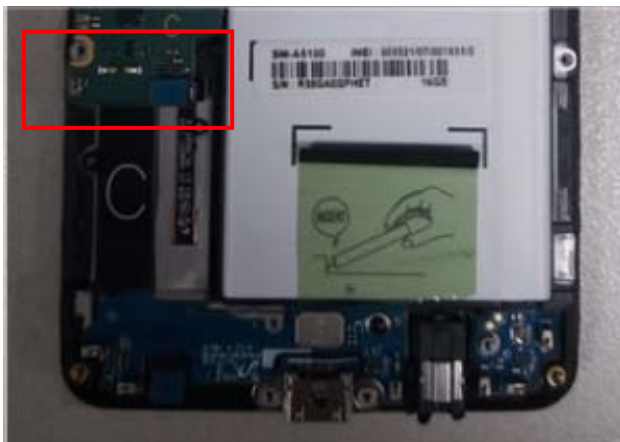
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7-5. assembly

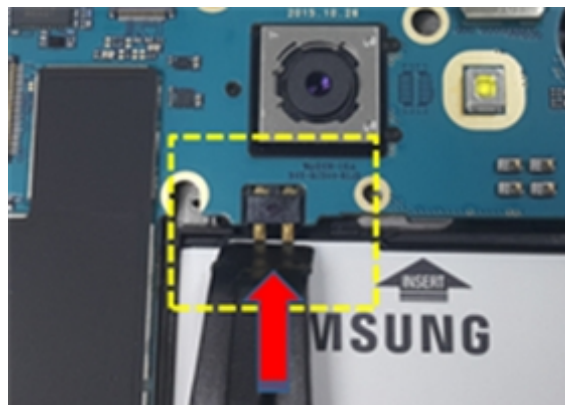
<div data-bbox="92 315 188 383" data-label="Text">1</div> 	<div data-bbox="810 315 906 383" data-label="Text">2</div> 
<p>1) Assemble the Home key 2) Assemble SUB PBA and Screw 1 Point</p>	<p>1) Assemble OCTA on Bracket using OCTA Attach JIG</p>
<div data-bbox="92 1108 188 1176" data-label="Text">3</div> 	<div data-bbox="810 1108 906 1176" data-label="Text">4</div> 
<p>1) Assemble Battery, Motor, RCV 2) Press Battery using Battery Press JIG</p>	<p>1) Assemble Mega CAM and Front Cam. ※ Do not Touch camera window.</p>

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1) Connect Sub PBA

1) Push battery contact pin,
then assemble main PBA

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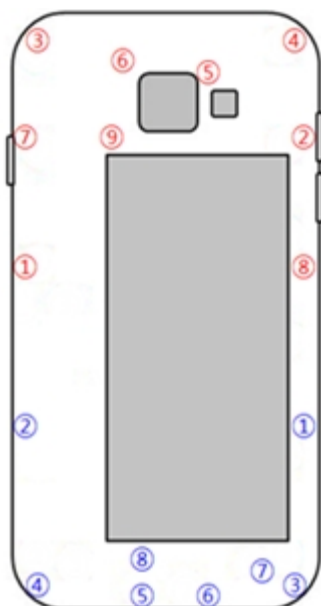


1) Screw 1 Screws in PBA Ass'y
2) Connect the coaxial Cable Head OCTA, Home Key,
Sub PBA Connector

1) Assemble Rear to Bracket assy

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1) Screw 17 Point

1) Attach Back Cover

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1) Press SET using OCTA PRESS Jig