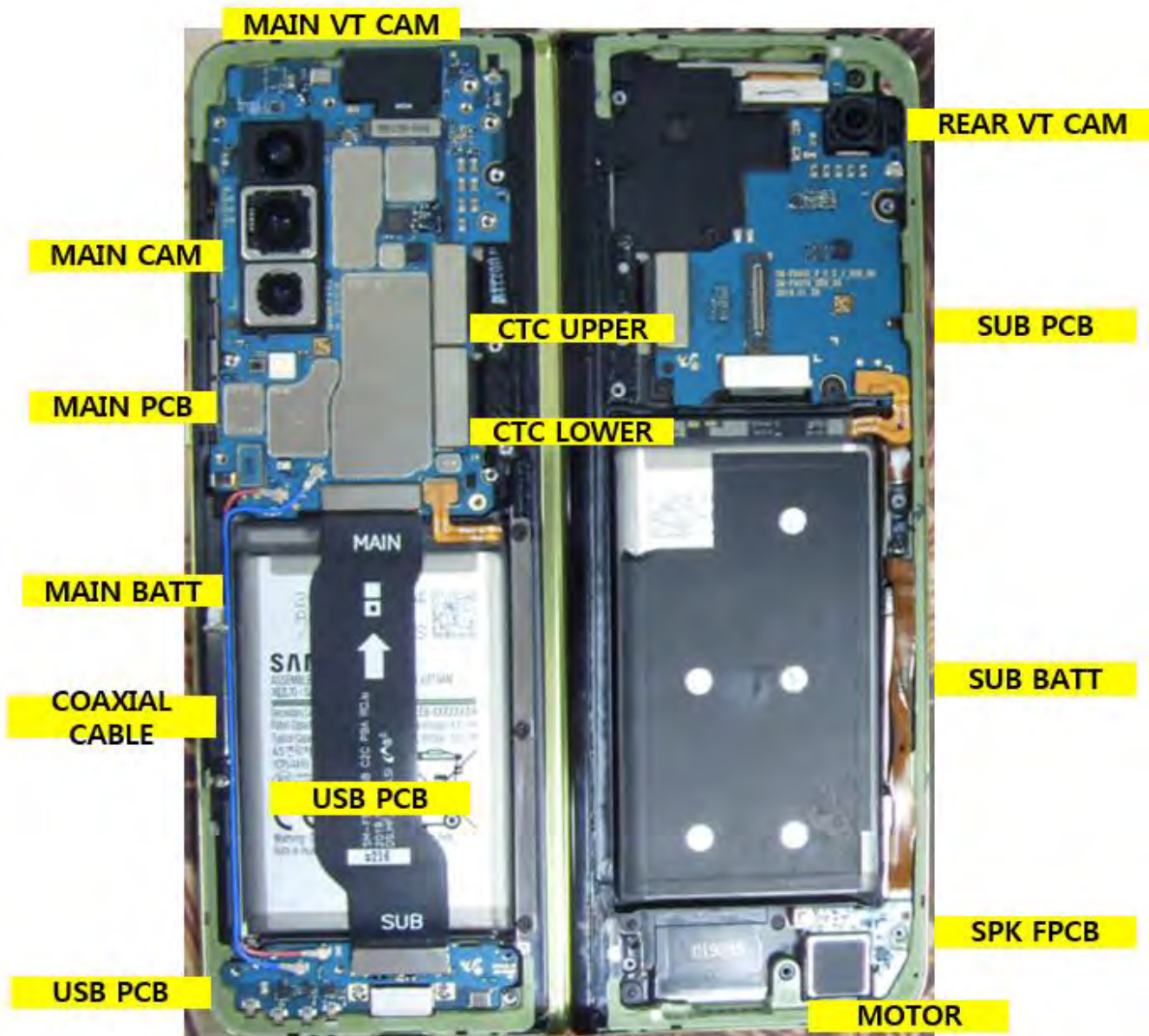


7. Level 2 Repair

7-1. Components on the Rear Case



7. Level 2 Repair



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7. Level 2 Repair

7-2. Pre-requisite

	
<p>Tweezers / Disass'y Stick / Screw Driver</p>	<p>Anti-static Gloves</p>
	
<p>Anti-static Mat</p>	<p>Hot Plate</p>
	
<p>AOD (Auto OCTA Disassembly)</p>	<p>AOD Rubber</p>
	
<p>Ethyl Alcohol</p>	<p>Cotton Swab</p>

7. Level 2 Repair

7-3. Parts which must be changed after repair

BOM description & part code	Image	Remarks
TAPE BACK GLASS REWORK [GH81-16828A]		Disassembly of each part such as Back Glass & Sub UB.
TAPE SUB UB REWORK [GH81-16827A]		

7. Level 2 Repair

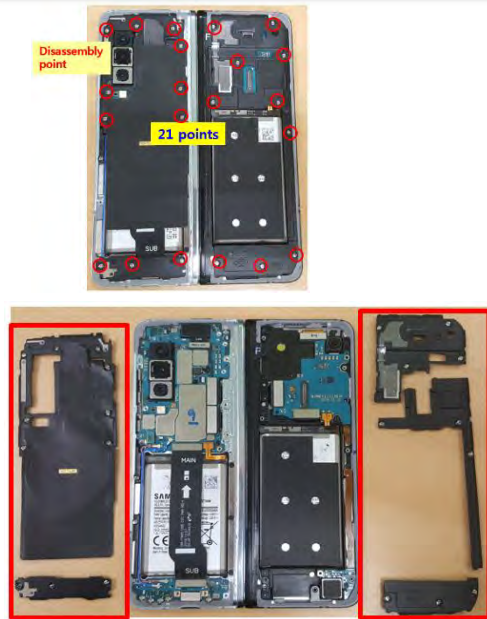
7-4. Disassembly

<div data-bbox="113 315 193 378">1</div> <div data-bbox="236 342 746 544"> <p>Put the device in the chamber as following below heating condition</p> <ul style="list-style-type: none"> - SOC 68%↓: Upper 70°C/Lower 60°C 5 min - SOC 68%↑: Upper 60°C/Lower 60°C 5 min <p>※ Please confirm the heating condition released lastly, and follow it.</p> </div> <div data-bbox="236 604 303 631">Case1</div> <div data-bbox="217 667 687 831"> </div> <div data-bbox="236 846 303 873">Case2</div> <div data-bbox="217 909 676 1070"> </div>	<div data-bbox="817 315 896 378">2</div> <div data-bbox="938 327 1453 383"> <p>Disassemble the lower plate center guard on the AOD.</p> </div> <div data-bbox="938 510 1390 808"> </div> <div data-bbox="1007 853 1289 1061"> <p>Lower plate center guard</p> </div>
<p>※ Caution Be care of scratch.</p>	<p>※ Caution Be care of scratch.</p>
<div data-bbox="113 1184 193 1247">3</div> <div data-bbox="236 1196 722 1352"> <ul style="list-style-type: none"> - Fix the device on the AOD. - Align the left of the camera deco hole & the right RCV hole with absorber the Upper Plate - Press the OCTA mode button and it disassembled automatically. </div> <div data-bbox="148 1469 429 1834"> <p>Backglass</p> </div> <div data-bbox="470 1469 759 1834"> <p>Sub UB</p> </div>	<div data-bbox="817 1184 896 1247">4</div> <div data-bbox="938 1207 1430 1335"> <p>Remove the backglass & Sub UB taps (only outside tape)</p> <p>✖ Backglass tapes & Sub UB Can Not be re-used.</p> </div> <div data-bbox="911 1440 1070 1821"> <p>Backglass</p> </div> <div data-bbox="1217 1440 1386 1821"> <p>Sub UB</p> </div>
<p>※ Caution Be care of Rear damage.</p>	<p>※ Caution</p> <ol style="list-style-type: none"> 1) Be care of scratch. 2) Be care of Rear and connector damage. 3) Be care of NFC ANT damage.

7. Level 2 Repair

5

Loosen 21 screws from the rear case.
Disassemble the rear cases(top and middle and bottom)



※ Caution

- 1) Be care of scratch.
- 2) Be care of damage on the antenna patterns in rear case.

6

First open the Battery con, remove sim tray and screws, open the all connectors.
Take the main PBA out from bracket.

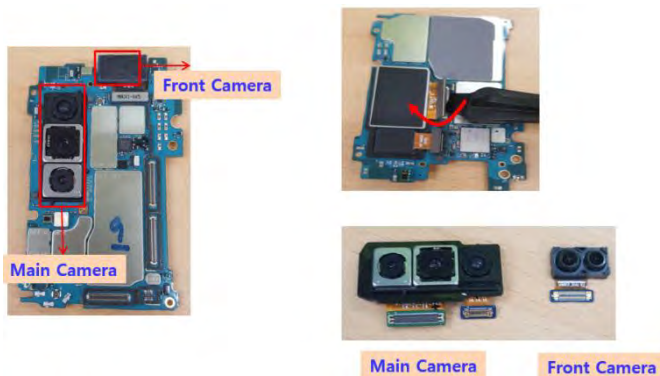


※ Caution

- 1) Be care of scratch.
- 2) Be care of Rear and connector damage.
- 3) Be care of NFC ANT damage.

7

Disconnect camera from main PBA.



※ Caution

- 1) Be care of scratch.
- 2) Be care of connector damage.

8

Remove motor using top-rounded tweezers.



※ Caution

- 1) Be care of scratch.
- 2) Be care of Rear and connector damage.
- 3) Be care of NFC ANT damage.

7. Level 2 Repair

9

Put ethyl alcohol into the out side of battery with clean swab(①)
Lift battery using battery disassembly vacuum.
Remove all residues of tape (the battery tapes Can not be re-used)



[Notice]

1. Do NOT use any sharp tools(disassembly stick, knife, any plastic or tweezers).
2. Do NOT reuse the battery and battery tapes.
3. In case of battery replacement, transfer the IMEI label on the old battery to the new battery.

If the battery is not properly removed, it may lead to damage to the phone and battery.
Only authorized service providers with the instructions provided can remove the battery.

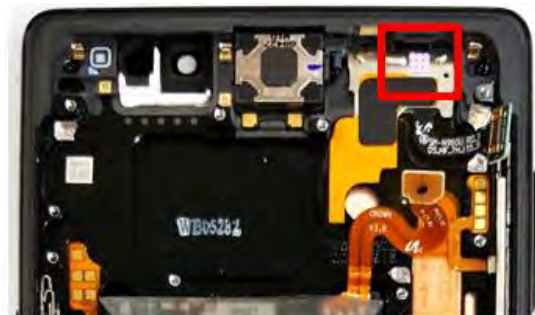
10

★ Caution of Handling Ethyl Alcohol ★
Do not touch any print area on the Battery pouch.

There are below information:

- Production vendor
- Production date
- Production line
- Serial number
- Lot / Batch Number

Do not touch LDI(Liquid Damage Indicator) on the Sensor FPCB(Entrance of Sim card tray).



※ Caution
Be care of sensor FPCB.

7. Level 2 Repair

7-5. Assembly

1

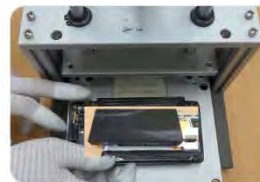
Remove the release film in the battery (①).
Attach the battery from TOP to BOTTOM (②).
Check the battery assembly status(③).



2

Press the battery using pressing jig and pad.
- Pressing force : 0.6 N (It is set on the pressing jig in advance)
- Pressing time : 5 seconds

Torque wrench 78.405KRW SVC Part of GH81-11903A		GH81-12712C (SEC) 1074720500 (IMK)	- Common usage - Use for Window press jig body → Changeable part - 1N force
Torque wrench 72.100KRW SVC Part of GH81-11903A		GH81-14467A (SEC) 1166055300 (IMK)	- Common usage - Use for Window press jig body → Changeable part - 0.6N force



Pressing pad for battery
Front Ass'y
Pressing pad for backglass& sub UB Comm

[Notice] Place the backglass pressing pad under the front ass'y
Do NOT press a battery over 5 seconds to prevent display damage.

※ Caution

Be careful not to damage RVC, motor and Ear jack.

※ Caution

Do NOT press a battery over 5 seconds to prevent display damage.

3

Connect main camera on the main PBA.

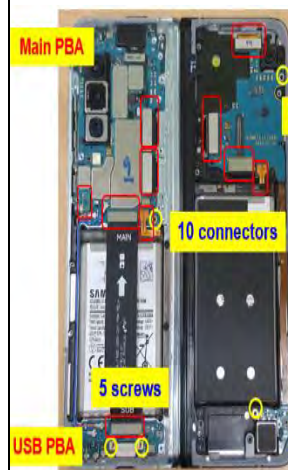


[Important management]
Do NOT use the air, bursh, cotton swab to prevent camera damage.

4

Place the main PBA on the bracket, and connect all connectors firmly.
- Softly open all connectors to make assembly easy before placing main PBA.

Assemble Front cam module and tighten 3 screws.



Sub PBA

Assemble the sim tray



10 connectors

5 screws

Speaker PBA

USB PBA

- Torque force : 1.1 kgf·cm² ± 7% (1.02~1.18)
- Screw Specification : 1.4 * 2.5, Black

※ Caution

Do NOT use the air, bursh, cotton swab to prevent camera damage.

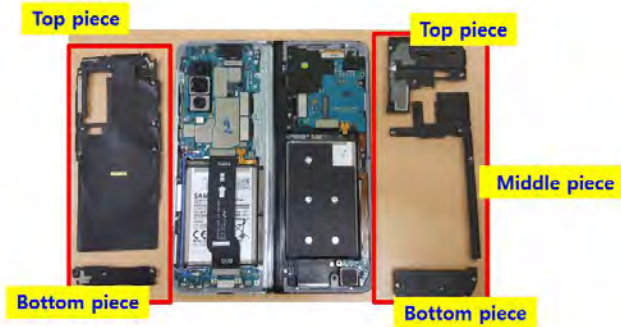
※ Caution

Be care of connector damage.

7. Level 2 Repair

5

Assemble the rear case, bottom piece first.
Assemble the top piece as following sequence.



※ **Caution**

Watch out not to give any damage on the antenna patterns during screwing.

6

Tighten 21 screws on the rear case.

- Torque force : $1.3 \text{ kgf} \cdot \text{cm} \pm 7\%$ (1.20~1.39)
- Screw Specification : 1.4 * 3.5, Silver
- Refer to the screw tightening sequence

Assembly point



※ **Caution**

Watch out not to give any damage on the antenna patterns during screwing.

7

Attach the back glass tape & Sub UB tape on the rear case.

- Attach the backglass tape on the rear case by hands.
- Gently press on the adhesive parts of tape using thumb.



※ **Caution**

Be care of scratch.

8

Assemble the back glass.

- Softly remove the protection film of outside tapes on the rear cases.
- Hold a device with one hand, and put the back glass with another hand from top to bottom
- Press the outside of back glass & Sub UB with thumbs enough.

Bottom



Top

※ **Caution**

Be care of scratch and REAR damage.

7. Level 2 Repair

9

Check if there is any gap or difference between back glass/Sub UB and metal frame.

Press the back glass & Sub UB using pressing jig and pad.

- Pressing force : 1N (It is set on the pressing jig in advance)
- Pressing time : 1 minute

Take the device out, and do the visual inspection again.



Back glass

Sub UB



※ **Caution**

Be care of scratch and REAR damage.