



Working Instructions, SP/Mechanical

Applicable for Z200/Z208

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1 Disassembly



Process tools





- Torque screwdriver, torx no.6 set to 11 Ncm
- Pair of tweezers
- Front opening tool. (NTZ 112 302)
- Flex Film Assembly tool. (NTZ 112521)

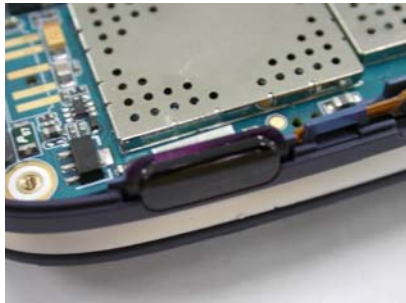



Equipment





- ESD-gloves (cotton gloves)
- ESD-wristband





Instruction

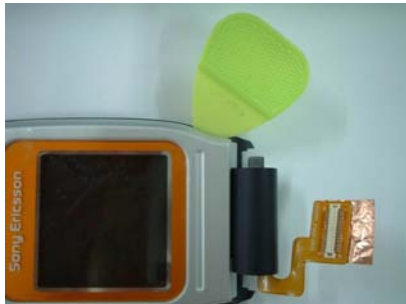



| # | Figure | Instruction | Note |
|---|---|---|------|
| 1 |  <p><i>Fig 1.1</i></p> | Release the battery cover and remove it.(Fig. 1.1.) | |
| 2 |  <p><i>Fig 1.2</i></p> | Release the battery and remove it.(Fig.1.2.) | |

| # | Figure | Instruction | Note |
|---|---|--|--|
| 3 |  <p><i>Fig 1.3</i></p> | Remove the 4 screws (Fig. 1.3.) | |
| 4 |  <p><i>Fig 1.4</i></p> | Remove the Antenna/Hinge Cover (Fig 1.4) | By bend it in the same direction as the arrow point on the picture. |
| 5 |  <p><i>Fig 1.5</i></p> | Use the Front opening tool to release the Rear Cover Assy. from the Lower Inside Cover Assy. Place the tool between the Rear Cover Assy and the Lower Inside Cover Assy. Start with No 1 and then continue until you reach No 5 (Fig 1.5) | Place the Front opening tool as shown at the picture and follow the arrow indication No1 to No5. Do not use a screwdriver or other sharp tools; it might cause some damage to the plastics or other components. |
| 6 |  <p><i>Fig 1.6</i></p> | Remove the Sidekey with help of a pair of tweezers. (Fig 1.6) | |


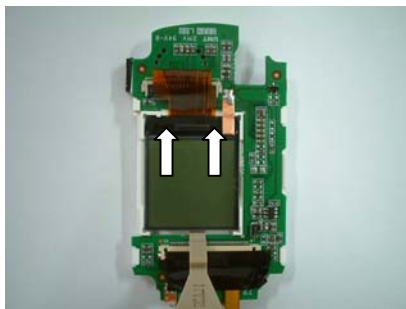
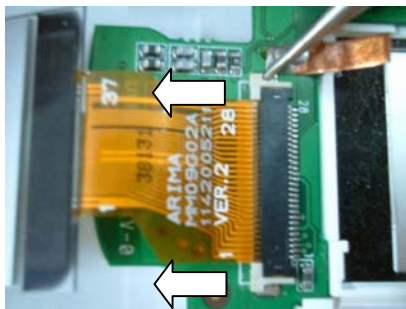
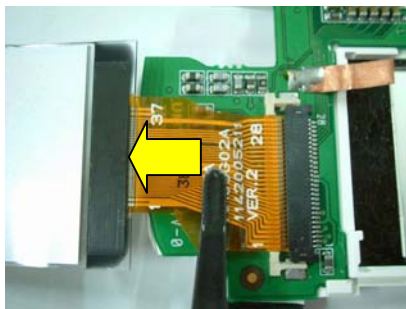
| # | Figure | Instruction | Note |
|----|--|---|--|
| 7 |  <p><i>Fig 1.7</i></p> | Remove the IrDA Window with your fingers (Fig. 1.7.) | The IrDA Window is easy to scratch. Do not use a pair of tweezers. |
| 8 |  <p><i>Fig 1.8</i></p> | Remove the Top Cover from the Lower Inside Cover Assy, by lifting it straight up with help of a pair of tweezers. (Fig. 1.8.) | |
| 9 |  <p><i>Fig 1.9</i></p> | Use a Front opening tool to release the Flexfilm from the board to board connector. (Fig 1.9) | |
| 10 |  <p><i>Fig 1.10</i></p> | Remove the Conductive Copper Film from Shielding Case Lid (Fig 1.10) | Use a pair of tweezers to remove the Conductive Copper Film. |

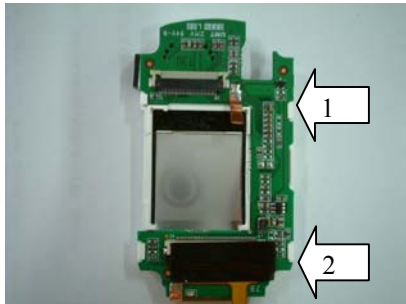

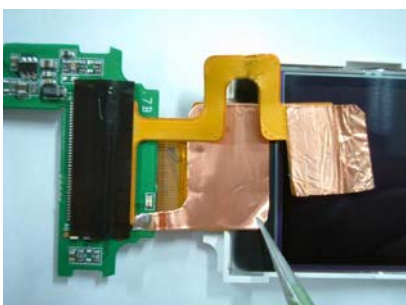
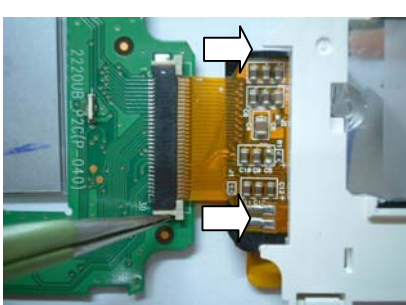
| # | Figure | Instruction | Note |
|----|--|--|--|
| 11 |  <p><i>Fig 1.11</i></p> | There are two snap hooks holding and positioning the PCB into the Lower Inside Cover Assy. (Fig. 1.11) | |
| 12 |  <p><i>Fig 1.12</i></p> | Use a Front opening tool to release the left Snap hook in the Lower Inside Cover Assy. (Fig. 1.12.) | There is a risk of damaging the PCB or the Lower Inside Cover Assy if you are using sharp tools. |
| 13 |  <p><i>Fig 1.13</i></p> | Release the PCB from the Lower Inside Cover Assy by grab hold of the System Connector with your fingers and lift. (Fig 1.13) | |
| 14 |  <p><i>Fig 1.14</i></p> | Remove the Keypad with help of a pair of tweezers. (Fig. 1.14.) | |

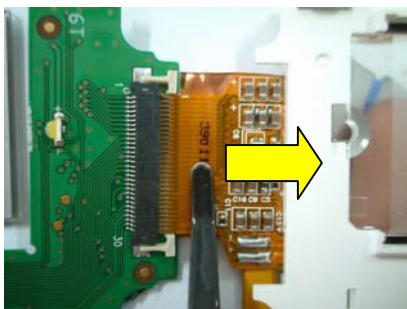
| # | Figure | Instruction | Note |
|----|--|---|--|
| 15 |  <p><i>Fig 1.15</i></p> | Lift the Exchange Cover with your thumb (1), and push it along the way of the arrow indication(2) (Fig 1.15) | |
| 16 |  <p><i>Fig 1.16</i></p> | Use a pair of tweezers to press the Hinge Mechanism (Fig 1.16) | Put the tweezer into the cavity and push. At the same time use the thumb to push the Lower Inside Cover Assy in the arrow direction as shown in the picture. |
| 17 |  <p><i>Fig 1.17</i></p> | Release the Upper Outside Cover Assy from the Lower Inside Cover Assy by pulling it apart, in the arrow direction as shown in the picture. (Fig. 1.17.) | Be careful not to damage the Flexfilm. |
| 18 |  <p><i>Fig 1.18</i></p> | Untighten the 4 screws. (Fig. 1.18) | |

| # | Figure | Instruction | Note |
|----|--|--|--|
| 19 |  <p><i>Fig 1.19</i></p>  <p><i>Fig 1.20</i></p> | <p>Use the Guitar pick to release the Upper Inside Cover Assy from the Upper Outside Cover Assy.</p> <p>Position and press the tool between the corner of Upper Inside Cover Assy and Upper Outside Cover Assy. (Fig 1.19)</p> <p>Start as shown in the picture by sliding the tool from No.1 to No.2 and then from No.3 to No.4. (Fig 1.20)</p> | <p>Place the Guitar pick as shown at the picture.</p> <p>Do not use a screwdriver or other sharp tools; it might cause some damage to the plastics or other components.</p> <p>Be careful not to damage the speaker.</p> |
| 20 |  <p><i>Fig 1.21</i></p> | <p>Release and remove the Assistant Plate with help of a pair of tweezers. (Fig 1.21)</p> | |
| 21 |  <p><i>Fig 1.22</i></p> | <p>Use a Front opening tool to release the Upper PCB from the Upper Outside Cover Assy. (Fig. 1.22.)</p> | <p>There is a risk of damaging the Upper PCB Assy or the Upper Outside Cover Assy if you are not using the Front opening tool.</p> |



| # | Figure | Instruction | Note |
|----|--|---|--|
| 22 |  <p><i>Fig 1.23</i></p> | Remove the Tape/ Zif connector on the Sub display connector. (Fig 1.23) | Use a pair of tweezers to remove the tape. |
| 23 |  <p><i>Fig 1.24</i></p> | There are 2 hooks in the top of Sub Display. Use a Front opening tool to release the Sub Display from Main Display Assy. (Fig 1.24) | |
| 24 |  <p><i>Fig 1.25</i></p> | Use a pair of tweezers to release the Sub Display connector by pulling the ZIF-connector lock in the direction of the arrows on the picture. (Fig 1.25) | |
| 25 |  <p><i>Fig 1.26</i></p> | Use a Flex film assembly tool to remove the Sub Display flex film. (Fig 1.26) | |

| # | Figure | Instruction | Note |
|----|--|--|---|
| 26 |  <p><i>Fig 1.27</i></p> | <p>There are four snap hooks holding the Main Display Assy onto Sub PCB</p> <p>Use a Front opening tool to release the snap hooks</p> <p>Start with No.1 to No.2, as shown in the picture (Fig. 1.27.)</p> | <p>Press the Front opening tool between the Upper PCB Assy and Main Display Assy.</p> |
| |  <p><i>Fig 1.28</i></p> | <p>Lift the Sub-PCB Assy up, and pull in the direction as the picture shows. (Fig. 1.28)</p> | <p>Use gloves.</p> |
| 27 |  <p><i>Fig 1.29</i></p> | <p>Remove the Conductive Copper Film from the Main Display Assy. (Fig 1.29)</p> | <p>Use a pair of tweezers, as shown in the picture. Be careful not to damage the Main Display Assy.</p> |
| 28 |  <p><i>Fig 1.30</i></p> | <p>Use a pair of tweezers to release the Main Display Assy connector by pulling the ZIF-connector lock in the direction of the arrows on the picture. (Fig. 1.30)</p> | |

| # | Figure | Instruction | Note |
|----|--|--|------|
| 29 |  <p><i>Fig 1.31</i></p> | Use a Flex film assembly tool to remove the Main Display Assy flexfilm. (Fig 1.31) | |

2 Reassembly

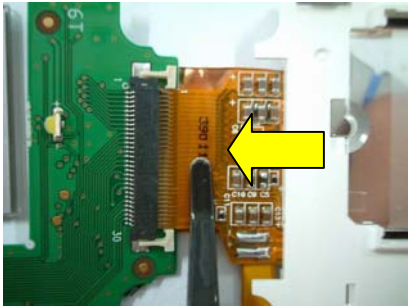
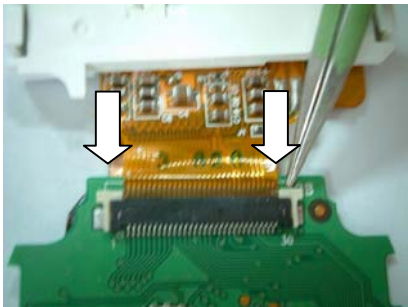
Process tools

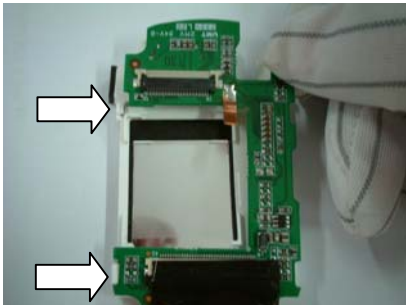
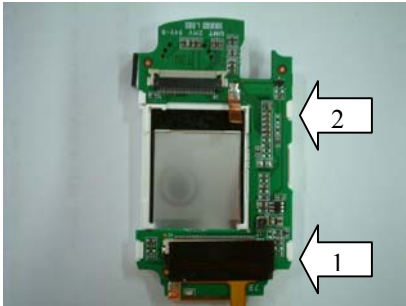
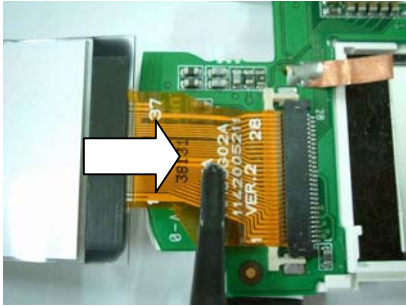
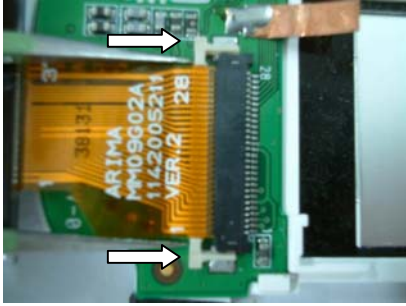
- Torque screwdriver, torx no.6 set to 11 Ncm
- Pair of tweezers
- Flex Film Assembly tool.

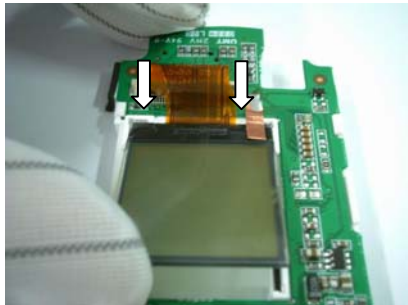
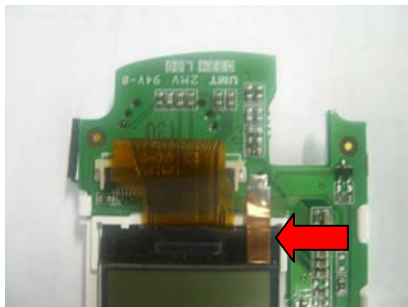

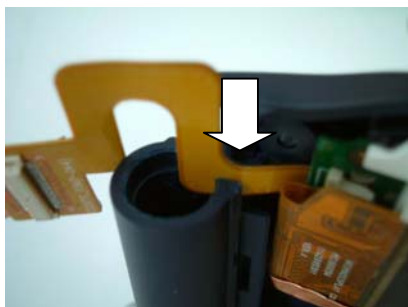
Equipment




- ESD-gloves (cotton gloves)
- ESD-wristband




Instruction




| # | Figure | Instruction | Note |
|---|---|--|---|
| 1 |  <p><i>Fig 2.1</i></p> | Mount the Main display assy flex film in the Zif connector with a Flex film assembly tool. (Fig 2.1) | |
| 2 |  <p><i>Fig 2.2</i></p> | Close the ZIF-connector with a pair of tweezers. (Fig 2.2) | Be careful so you don't harm the LCD flex film. |

| # | Figure | Instruction | Note |
|---|---|---|---|
| 3 |  <p><i>Fig 2.3</i></p> | Place the Sub PCB Assy under the two snap hooks of Main Display Assy, as shown in the picture (Fig 2.3) | |
| 4 |  <p><i>Fig 2.4</i></p> | Press the Sub PCB (arrow indication in the picture) to make it fit tightly to the Main Display Assy, start with arrow No.1 when continue with No.2. (Fig 2.4) | |
| 5 |  <p><i>Fig 2.5</i></p> | Mount the Sub display assy flex film in the Zif connector with a Flex film assembly tool. (Fig 2.5) | |
| 6 |  <p><i>Fig 2.6</i></p> | Close the ZIF-connector with a pair of tweezers. (Fig 2.6) | Be careful so you don't harm the LCD flex film. |

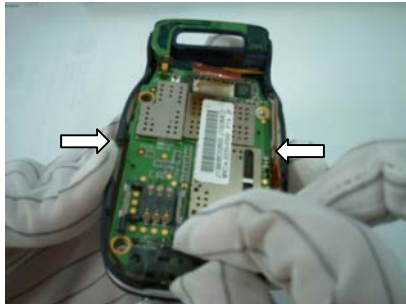

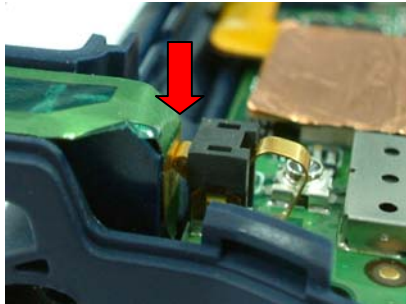
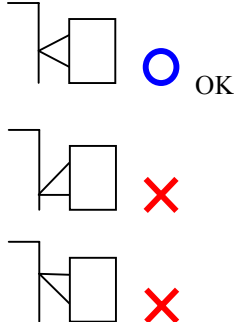
| # | Figure | Instruction | Note |
|----|--|---|---|
| 7 |  <p><i>Fig 2.7</i></p> | Place the Sub Display under the two hooks (as shown in the picture) into the cavity for the Sub display. Press on the Sub Display gently to make it fit into the Main Display Assy. (Fig 2.7) | Remember to remove the LCD protection tape. Press very gently at the surface. |
| 8 |  <p><i>Fig 2.8</i></p> | Apply the Conductive Copper File for the Sub Display. (Fig 2.8) | |
| 9 |  <p><i>Fig 2.9</i></p> | Apply the Conductive Copper Film for the Main Display Assy, as shown in the picture. (Fig 2.9) | |
| 10 |  <p><i>Fig 2.10</i></p> | Place the Flexfilm into the cavity of Upper Outside Cover Assy as shown at the picture. (Fig 2.10) | |


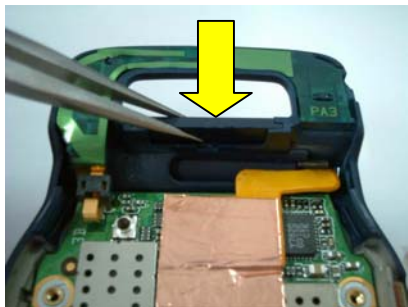
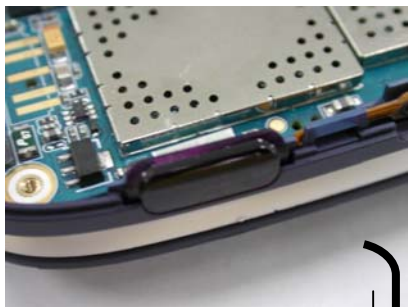

| # | Figure | Instruction | Note |
|----|--|--|---|
| 11 |  <p><i>Fig 2.11</i></p> | Press on the top of Main Display Assy to make it fit tightly into the Upper Outside Cover Assy. (Fig. 2.11) | Press until a click is heard, and then the Sub PCB should fit tightly into the Upper outside Cover Assy. |
| 12 |  <p><i>Fig 2.12</i></p> | Position the Flex film Plate on the cavity of Upper Outside Cover Assy, with a pair of tweezers, as shown in the picture. (Fig 2.12) | |
| 13 |  <p><i>Fig 2.13</i></p> | Position the Upper Inside Cover Assy into the Upper Outside Cover Assy, as shown at the picture. (Fig 2.13) | Make sure the Vibrator, Magnet, and Flex film Plate has been mounted correctly before you reassemble the Upper Inside Cover Assy. |
| 14 |  <p><i>Fig 2.14</i></p> | Mount the Upper Inside Cover Assy into the Upper Outside Cover Assy. Start on the top and press on each side (follow the arrow indication) of it with your fingers until it fits tightly. (Fig 2.14) | Arrows indicate where to press A click sound should be heard |





| # | Figure | Instruction | Note |
|----|--|--|---|
| 15 |  <p><i>Fig 2.15</i></p> | Tighten the 4 screws, in the same order as the arrows in the picture. start with No.1 to No.4. (Fig 2.15) | |
| 16 |  <p><i>Fig 2.16</i></p>  <p><i>Fig 2.17</i></p> | Position the Board to board Flexfilm on the cavity of Lower Inside Cover Assy, as shown at the picture. (Fig 2.17) | Make sure that the Board to board flexfilm is in the correct position, according to the picture. (Fig 2.17) |

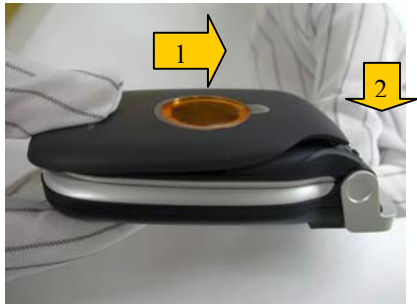


| # | Figure | Instruction | Note |
|----|--|---|---|
| 17 |  <p><i>Fig 2.18</i></p> | <p>Press the Lower Inside Cover Assy as shown at the picture.</p> <p>Push the Upper Outside Cover Assy onto the Lower Inside Cover Assy. (Fig 2.18)</p> | <p>Important that the angle of the phone is the same as in the picture.</p> |
| 18 |  <p><i>Fig 2.19</i></p> | <p>Use a pair of tweezers to press the Hinge Mechanism. Assemble the Upper Outside cover Assy and the Lower Inside Cover Assy. (Fig 2.19)</p> | <p>Be careful, do not harm the cover.</p> |
| 19 |  <p><i>Fig 2.20</i></p> | <p>Position the Keypad inside the Lower Inside Cover Assy. (Fig 2.20)</p> | |



| # | Figure | Instruction | Note |
|----|--|--|---|
| 20 |  <i>Fig 2.21</i> | Place the Main PCB in the Lower Inside Cover Assy. Press the Main PCB under the Snap hooks, as the arrow indication shows on the picture. Press on the Main PCB to make it fit correctly. (Fig 2.21) | |
| |  <i>Fig 2.22</i> | Mount the Sidekey FPC in the cavity in the Rear Cover Assy. | Make sure that the Sidekey FPC is positioned correctly. (Fig 2.22) |
| |  <i>Fig 2.23</i> | <p>Antenna Conn.</p>  | Make sure that the antenna connector and antenna flex film is connected well. (Fig 2.23) See picture as left. |

| # | Figure | Instruction | Note |
|----|--|--|--|
| 21 |  <p><i>Fig 2.24</i></p> | <p>Connect the Flexfilm (BTB to FPC) to the board to board connector with your fingers.</p> <p>Apply the Conductive Copper Film, as shown in the picture. (Fig 2.24)</p> | |
| 22 |  <p><i>Fig 2.25</i></p> | <p>Mount the Top Cover into the Lower Inside Cover Assy. (Fig 2.25)</p> | |
| 23 |  <p><i>Fig 2.26</i></p> | <p>Mount the IrDA Window into the Lower Inside Cover Assy with your fingers. (Fig 2.26)</p> | <p>The IrDA Window is easy to scratch. Do not use a pair of tweezers.</p> <p>Do not invert the IrDA Window when you mount it. See description for position of mounting in the picture.</p> |
| 24 |  <p><i>Fig 2.27</i></p> | <p>Mount the Sidekey into the Lower Inside Cover Assy with a pair of tweezers. (Fig 2.27)</p> | <p>Do not invert the Sidekey when you mount it. (The longer pin should be down) See description for position of Sidekey, in the picture.</p> |

| # | Figure | Instruction | Note |
|----|--|---|---|
| 25 |  <p><i>Fig 2.28</i></p> | Position the Rear Cover Assy at a 30° on the top of Lower Inside Cover Assy, according to the picture. (Fig. 2.28) | Make sure that the Rear Cover Assy extends over the Lower Inside Cover Assy as shown by the red circle. |
| 26 |  <p><i>Fig 2.29</i></p> | Press on each side of it with your fingers to make it fit tightly. (Fig 2.29) | Arrows indicate where to press |
| 27 |  <p><i>Fig 2.30</i></p> | Tighten the 4 screws, according to the arrow incation No.1 to No.4. (Fig 2.30) | Make sure the Top Cover, IrDA Window, and Sidekey will be correct positioned before you tighten the 4 screws. |
| 28 |  <p><i>Fig 2.31</i></p> | Mount the Antenna/Hinge Cover. (Fig 2.31) | |

| # | Figure | Instruction | Note |
|----|--|---|-----------------------------------|
| 29 |  <p><i>Fig 2.32</i></p> | Position the Exchange cover onto the Uppper Outside Cover Assy, Push the exchange cover (1) and press it (2) (Fig 2.32) | Follow the arrows on the picture. |
| 30 |  <p><i>Fig 2.33</i></p> | Connect the Battery. (Fig 2.33) | |
| 31 |  <p><i>Fig 2.34</i></p> | Assemble the Battery Cover. (Fig 2.34) | |

3 Replacement of Mechanical Parts



3.1 Upper Inside Assy

Process tools

- Pair of Tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-7), follow steps 1-19.

| # | Figure | Instruction | Note |
|---|---|---|--|
| 1 |  <p><i>Fig 3.1.1</i></p> | Remove the Vibrator Assy by positioning a pair of tweezers under the flywheel and lift. (Fig 3.1.1) | |
| 2 |  <p><i>Fig 3.1.2</i></p> | Take a new Upper Inside Cover Assy and mount the Vibrator Assy. (Fig 3.1.2) | Do not press on the flywheel, it can cause damage on the vibrator. |

- Assemble the phone as described in 2 reassembly (page 14-20), follow steps 13-34.

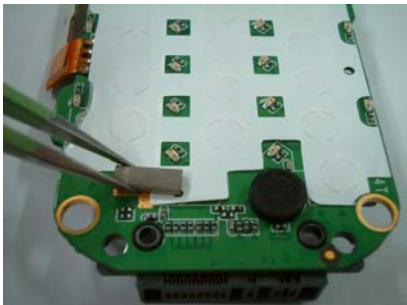
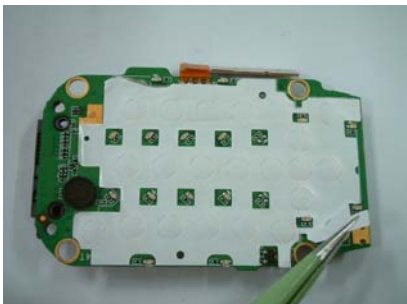
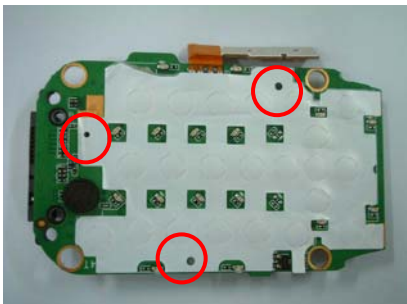
3.2 Dome Foil

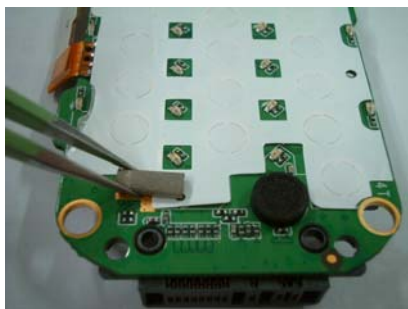
Process tools

- Pair of Tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-5), follow steps 1-13.

| # | Figure | Instruction | Note |
|---|---|--|---|
| 1 |  <p><i>Fig 3.2.1</i></p> | Remove the Conductive Sponge with a pair of tweezers. (Fig 3.2.1) | |
| 2 |  <p><i>Fig 3.2.2</i></p> | Remove the old Dome foil, with a pair of tweezers. (Fig 3.2.2) | Do not touch the dome and PCB. |
| 3 |  <p><i>Fig 3.2.3</i></p> | Replace the new Dome foil on the PCB. Aim the dome foil according to the guide holes on the PCB as shown in the picture. (Fig 3.2.3) | Do not touch the dome foil or PCB. Clean the PCB surface from glue and dust. Always use a pair of tweezers. |

| # | Figure | Instruction | Note |
|---|---|--|------|
| 4 |  <p><i>Fig 3.2.4</i></p> | Mount the Conductive Sponge into the correct position as shown in the picture. (Fig 3.2.4) | |

- Assemble the phone as described in 2 reassembly (page 16-20), follow steps 20-34.

3.3 Display assembly

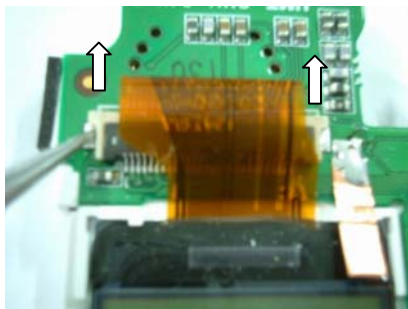
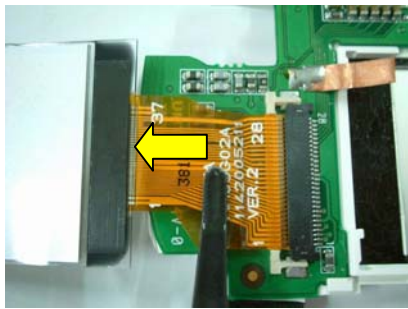
Process tools

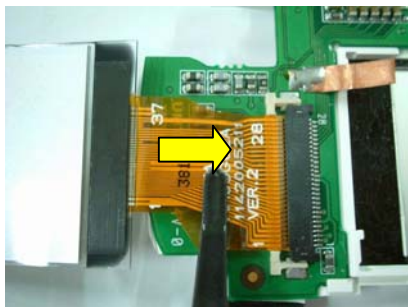
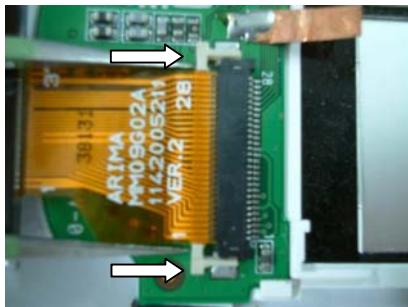
- Tweezers.
- Flex Film Assembly tool.

Instructions

3.3.1 Sub Display

- Disassemble the phone as described in 1 Disassembly (page 2-8), follow steps 1-23.


| # | Figure | Instruction | Note |
|---|---|--|---|
| 1 |  <p><i>Fig 3.3.1</i></p> | Release the Sub Display connector by pulling the ZIF-connector lock upwards. (Fig 3.3.1) | Be careful so you don't damage the LCD flex film. |
| 2 |  <p><i>Fig 3.3.2</i></p> | Remove the Sub Display flex film with a Flex film assembly tool. (Fig 3.3.2) | |
| 3 | | Pick up a new Sub Display. | Avoid any contact with all surfaces. Use gloves. |




| # | Figure | Instruction | Note |
|---|--|--|---|
| 4 |  <p><i>Fig 3.3.3</i></p> | Mount the Sub display flex film in the Sub Display connector with the Flex film assembly tool. (Fig 3.3.3) | |
| 5 |  <p><i>Fig 3.3.4</i></p> | Close the ZIF-connector with a pair of tweezers as shown at the picture. (Fig 3.3.4) | Be careful so you don't damage the Sub display flex film. |

- Assemble the phone as described in 2 reassembly (page 11-20), follow steps 1-34.

3.3.2 Main Display Assy

- Disassemble the phone as described in 1 Disassembly (page 2-10), follow steps 1-29.

| # | Figure | Instruction | Note |
|---|---|--|-------------------------------------|
| 1 |  <p><i>Fig 3.3.5</i></p> | Remove the Earphone Assy with a pair of tweezers by lifting it upwards. (Fig. 3.3.5) | Do not touch the spring connectors. |

| # | Figure | Instruction | Note |
|---|---|--|--|
| 2 |  <p><i>Fig 3.3.6</i></p> | Remove the Load Speaker (Poliphonic) Assy with a pair of tweezers. (Fig. 3.3.6) | Do not touch the spring connectors. |
| 3 | | Pick up a new Main Display Assy. | Avoid any contact with all surfaces. Use gloves. |
| 4 |  <p><i>Fig 3.3.7</i></p> | Mount the Load Speaker (Poliphonic) Assy in the cavity with the spring connectors facing upwards. (Fig. 3.3.7) | Do not press on the spring connectors. |
| 5 |  <p><i>Fig 3.3.8</i></p> | Mount the Earphone Assy in the cavity with the spring connectors facing upwards. (Fig. 3.3.8) | Do not press on the spring connectors. |

- Assemble the phone as described in 2 reassembly (page 11-19), follow steps 1-30.

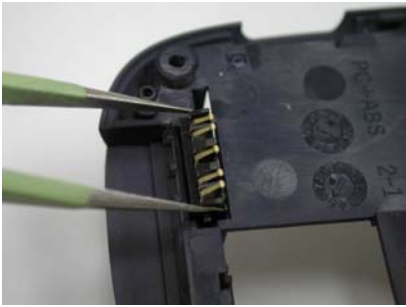

3.4 Battery Connector

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-3), follow steps 1-5.

| # | Figure | Instruction | Note |
|---|---|---|--|
| 1 |  <p><i>Fig 3.4.1</i></p> | Use a pair of tweezers to remove the Battery Connector from the Rear Cover Assy. (Fig. 3.4.1) | Be careful not to damage the spring connectors. |
| 2 | | Pick up a Battery Connector with a pair of tweezers | Make sure that the Battery Connector not is bend or damage in any way. |
| 3 |  <p><i>Fig 3.4.2</i></p> | Mount the Battery Connector into the cavity in the Rear Cover Assy. (Fig. 3.4.2) | Make sure that the Battery Connector is fitting correct and that it is not damage in any way. If the connector is bend or it does not fit correct, replace it. |

- Assemble the phone as described in 2 reassembly (page 18-19), follow steps 24-30.

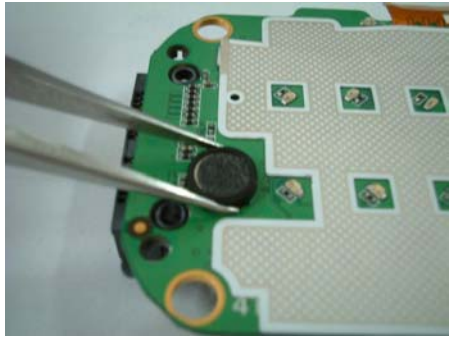
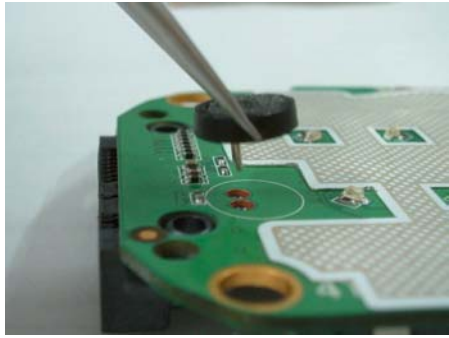
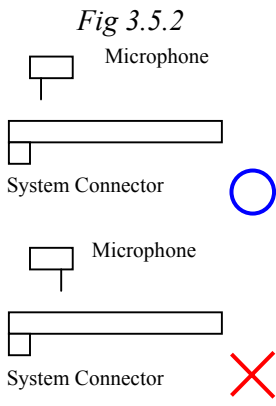
3.5 Microphone Assy

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-5), follow steps 1-13.

| # | Figure | Instruction | Note |
|---|---|---|--|
| 1 |  <p><i>Fig 3.5.1</i></p> | Remove the Microphone Assy by using a pair of tweezers. (Fig. 3.5.1) | |
| 2 | | Pick up the new Microphone Assy with a pair of tweezers. | |
| 3 |  <p><i>Fig 3.5.2</i></p>  <p>Microphone</p> <p>System Connector</p> <p>Microphone</p> <p>System Connector</p> | Mount the Microphone Assy in the Microphone Connector, located on the Main PCB. (Fig 3.5.2) | Make sure that the polarity is correct. (See picture and explanation below.) |

- Assemble the phone as described in 2 reassembly (page 16-19), follow steps 19-30.



3.6 Earphone Assy

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-10), follow steps 1-29.

| # | Figure | Instruction | Note |
|---|---|--|--|
| 1 |  <p><i>Fig 3.6.1</i></p> | Remove the Earphone Assy with a pair of tweezers by lifting it upwards. (Fig. 3.6.1) | Do not touch the spring connectors. |
| 2 | | Pick up a new Earphone Assy (Polyphonic) with a pair of tweezers. | |
| 3 |  <p><i>Fig 3.6.2</i></p> | Mount the Earphone Assy in the cavity with the spring connectors facing upwards. (Fig 3.6.2) | Do not press on the spring connectors. |

- Assemble the phone as described in 2 reassembly (page 11-20), follow steps 1-34.



3.7 Load Speaker Assy (Poliphonic)

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-10), follow steps 1-29.

| # | Figure | Instruction | Note |
|---|---|--|--|
| 1 |  <p><i>Fig 3.7.1</i></p> | Remove the Load Speaker Polyphonic Assy with a pair of tweezers. (Fig. 3.7.1) | Do not touch the spring connectors. |
| 2 | | Pick up a new Load Speaker Polyphonic with a pair of tweezers. | |
| 3 |  <p><i>Fig 3.7.2</i></p> | Mount the Load Speaker Polyphonic Assy in the cavity with the spring connectors facing upwards. (Fig. 3.7.2) | Do not press on the spring connectors. |

- Assemble the phone as described in 2 reassembly (page 11-20), follow steps 1-34.



4 Vibrator Assy

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-7), follow steps 1-19.

| # | Figure | Instruction | Note |
|---|---|--|--|
| 1 |  <p><i>Fig3.8.1</i></p> | Remove the Vibrator Assy by lifting in the vibrator Coating, with a pair of tweezers . (Fig. 3.8.1) | |
| 2 | | Pick up a New vibrator Assy. | |
| 3 |  <p><i>Fig 3.8.2</i></p> | Mount the Vibrator Assy with the help of a pair of tweezers, and position it in the cavity of the Upper Inside Assy. (Fig 3.8.2) | Press exactly as shown at the picture. Press the vibrator unit it reaches the bottom of the cavity. Do not press on the flywheel, it can cause damage on the vibrator. |

- Assemble the phone as described in 2 reassembly (page 14-20), follow steps 13-34.


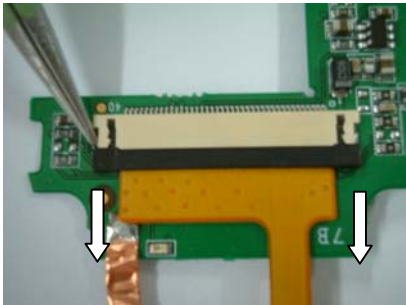
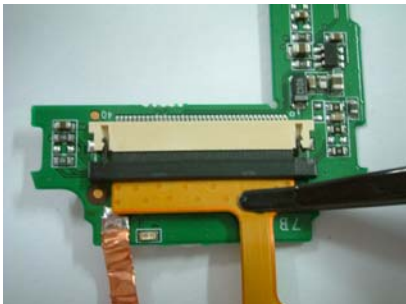
4.1 Flexfilm (BTB to FPC) & Upper PCB Assy

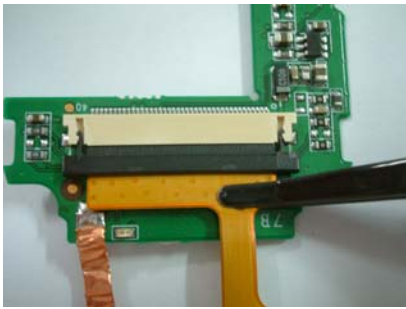
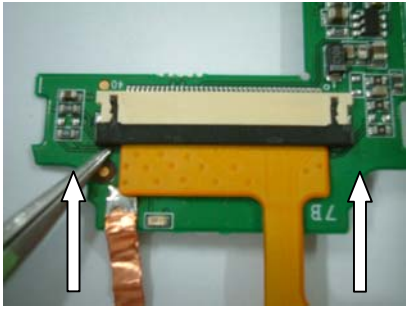
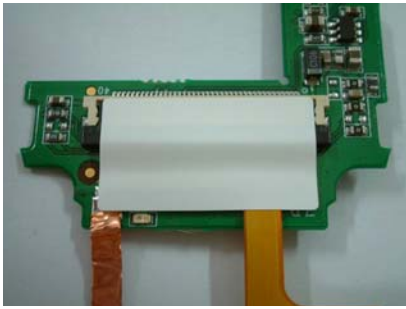
Process tools

- Pair of tweezers.
- Flex Film Assembly tool.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-10), follow steps 1-29.

| # | Figure | Instruction | Note |
|---|---|---|--|
| 1 |  <p><i>Fig 3.9.1</i></p> | Remove the Tape/Zif Connector with a pair of tweezers. (Fig. 3.9.1) | |
| 2 |  <p><i>Fig 3.9.2</i></p> | Release the Flexfilm (BTB to FPC) connector by pulling the ZIF-connector lock upwards with a pair of tweezers, as shown at the picture. (Fig 3.9.2) | Be careful so you don't damage the Flexfilm. |
| 3 |  <p><i>Fig 3.9.3</i></p> | Remove the Flexfilm (BTB to FPC) with a Flex film Assembly tool. (Fig 3.9.3) | |

| # | Figure | Instruction | Note |
|---|---|--|---|
| 4 | | Pick up a New Flexfilm (BTB to FPC) or Upper PCB Assy. | |
| 5 |  <p><i>Fig 3.9.4</i></p> | Mount the Flexfilm (BTB to FPC) in the Sub PCB Zif-connector with a Flex film Assembly tool. (Fig 3.9.4) | |
| 6 |  <p><i>Fig 3.9.5</i></p> | Close the ZIF-connector with a pair of tweezers as shown at the picture. (Fig 3.9.5) | <p>Be careful so you don't damage the LCD flex film.</p> <p>Do not mount the Flexfilm in the wrong direction.</p> |
| 7 | | Pick up a new Tape/Zif connector. | |
| 8 |  <p><i>Fig 3.9.6</i></p> | Apply the Tape/Zif connector with a pair of tweezers. (Fig 3.9.6) | |

- Assemble the phone as described in 2 reassembly (page 11-20), follow steps 1-34.

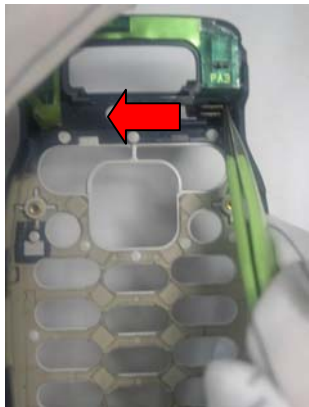

4.2 Hinge Insert

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 6-6), follow steps 16-17.

| # | Figure | Instruction | Note |
|---|---|--|------|
| 1 |  <p><i>Fig3.10.1</i></p> | Remove the Hinge Insert from the Lower Inside Cover Assy with a pair of tweezers as shown at the picture. (Fig 3.10.1) | |
| 2 | | Pick up a new Hinge Insert. | |
| 3 |  <p><i>Fig3.10.2</i></p> | Mount the Hinge Insert to the Lower Inside Cover Assy with a pair of tweezers as shown at the picture. (Fig 3.10.2) | |

- Assemble the phone as described in 2 reassembly (page 15-20), follow steps 16-34.

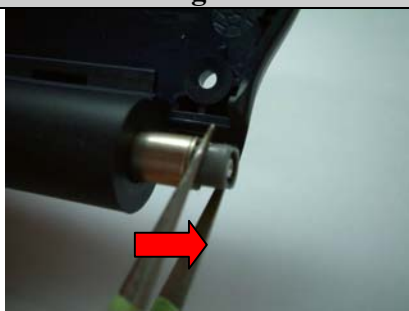
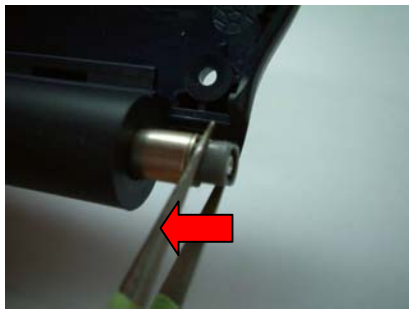
4.3 Hinge Mechanism

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 6-6), follow steps 15-17.

| # | Figure | Instruction | Note |
|---|--|---|------|
| 1 |  <p><i>Fig 3.11.1</i></p> | Remove the Hinge Mechanism from the Upper Outside Cover Assy with a pair of tweezers. (Fig3.11.1) | |
| 2 | | Pick up a new Hinge Mechanism. | |
| 3 |  <p><i>Fig 3.11.2</i></p> | Mount the Hinge Mechanism into the Upper Outside Cover Assy with a pair of tweezers. (Fig3.11.2) | |

- Assemble the phone as described in 2 reassembly (page 16-20), follow steps 17-34.

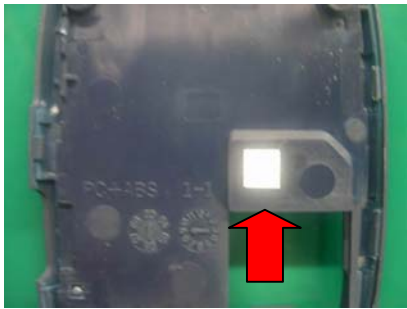
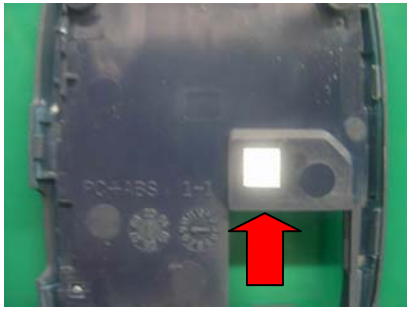
4.4 Water Damage Indicator

Process tools

- Pair of tweezers.

Instruction

- Disassemble the phone as described in 1 Disassembly (page 2-3), follow steps 1-5.

| # | Figure | Instruction | Note |
|---|--|--|------|
| 1 |  <p><i>Fig3.12.1</i></p> | Remove the Water Damage Indicator from the Rear Cover Assy with a pair of tweezers. (Fig 3.12.1) | |
| 2 | | Pick up a new Water Damage Indicator. | |
| 3 |  <p><i>Fig 3.12.2</i></p> | Apply the Water Damage Indicator with a pair of tweezers. (Fig 3.12.2) | |

- Assemble the phone as described in 2 reassembly (page 19-20), follow steps 28-34.

5 Process Tools for Label

- Hot air blower
- Pair of tweezers


Instruction

This instruction should be used when you intend to exchange an old Label Markingplate or mount a new one.

1. Heat up the Label Markingplate with a hot air blower.
2. Carefully remove the label, make sure that all the residue is remove. Do not scratch the frame.

Note! Only one Label Markingplate is allowed in the battery cavity.

3. Printing: The text must be fully readable visually and through bar code readers.

| # | Figure | Instruction | Note |
|---|---|--|--|
| 1 |  <p><i>Fig 4.1</i></p> | Take the new Label Markingplate and place it in the battery cavity. The Label Markingplate should be centred and parallel to the sides of the cavity. (Fig. 4.1) | Make sure that there are no air bubbles under the label. |



6 Revision History

| Rev. | Date | Changes / Comments |
|------|------------|--------------------|
| A | 2003-10-30 | First release |