

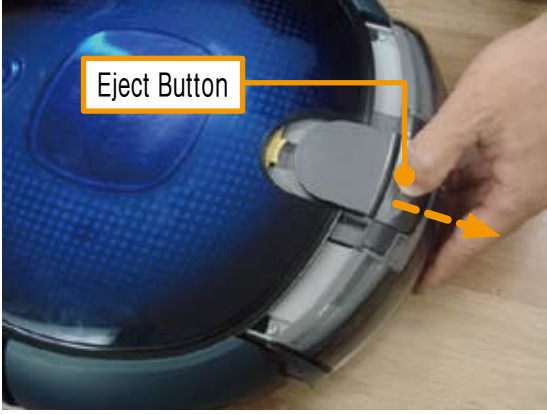
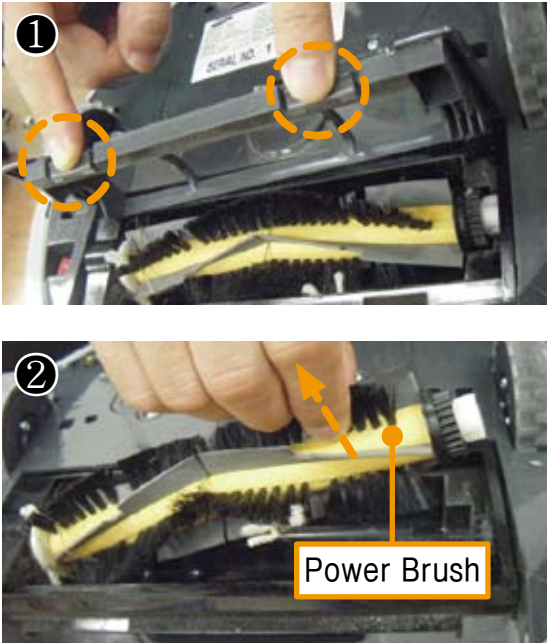



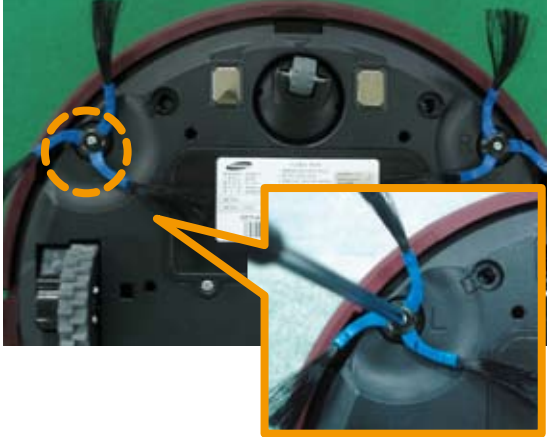
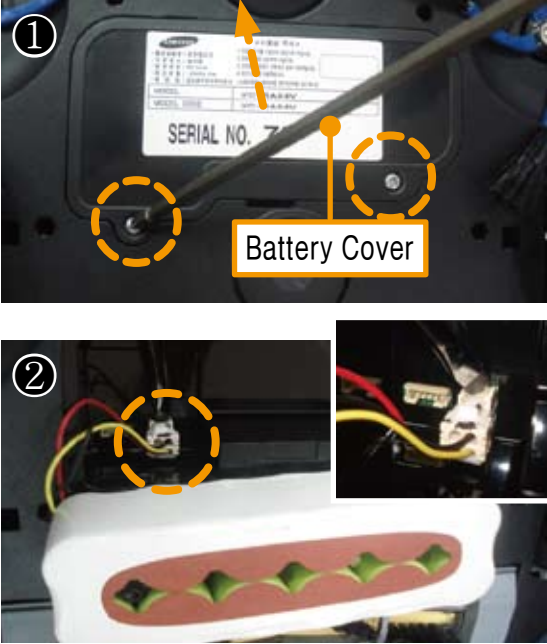

4. Disassembly & Assembly

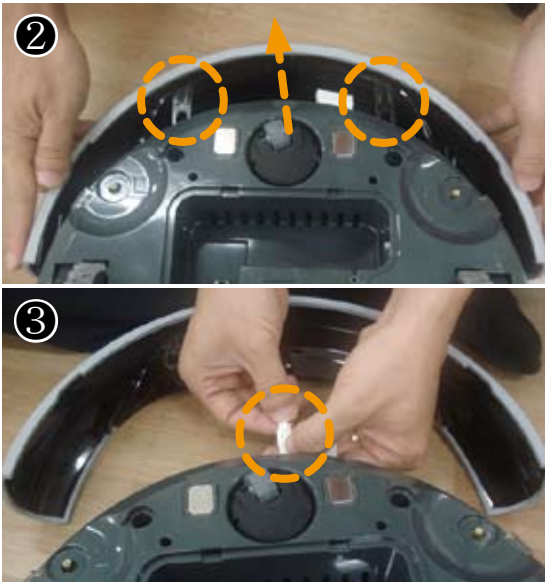

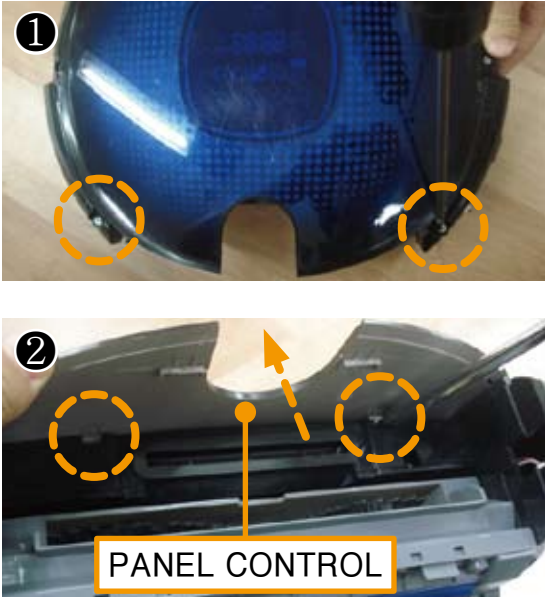
4-1. Precautions & Main Tools


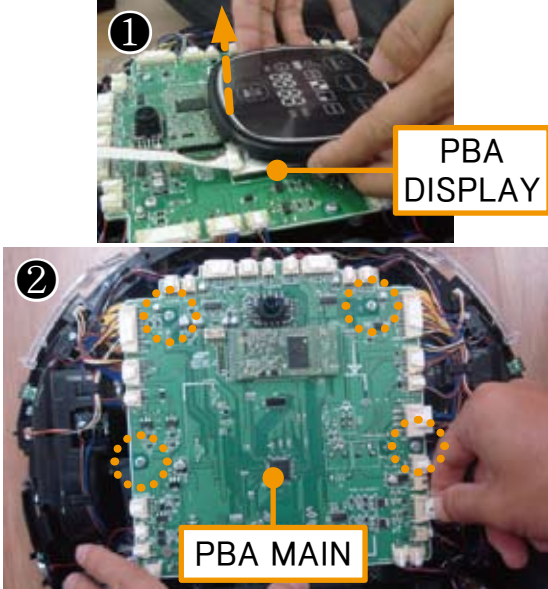
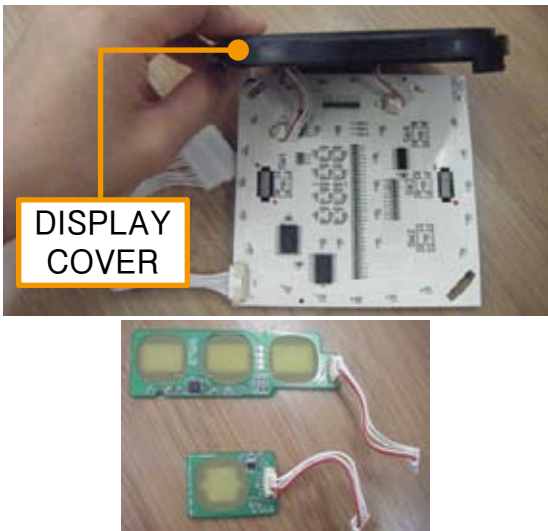
- Be sure to turn off the Power Switch before disassembling or assembling the unit.
- Be sure to use the rated parts when replacing electronic components (check the Model Name, the Rated Voltage/Current, the operating temperature, etc)
- When repairing the unit, be sure to keep water away from the harness and assemble it firm.
 - ☞ The assemble wire harness connectors should not be slipped out when pulling out with moderate force.
- When repairing the unit, be sure to remove dust or foreign substances completely from the connector housing, the wire connection parts, the terminal contacts, etc.
 - ☞ It is to prevent any fire possibilities such as tracking, short , etc.
- Check if there is any trace of water penetrated to the electrical components : If so, replace the components or seal up the area with insulation tapes.
- Check the assembled status of the components after repairing the unit : Keep the assembled status the same as the previous status.
- Check its using environments (The Robot Cleaner is for domestic & indoor use.) : When it is used for other purposes, it may cause major damages to the unit (operation error, broken down, etc).
 - ☞ Do not Use : Attics, Underground Floor, Warehouse, Industrial Building, Watery Area, Fire hazard area, Narrow & High Laying Areas such as Table, other not residential area.
- Do not have the customers repair the unit by themselves.
- Tools for disassembly and assembly : Flat Head Screwdriver, Phillips Screwdriver.

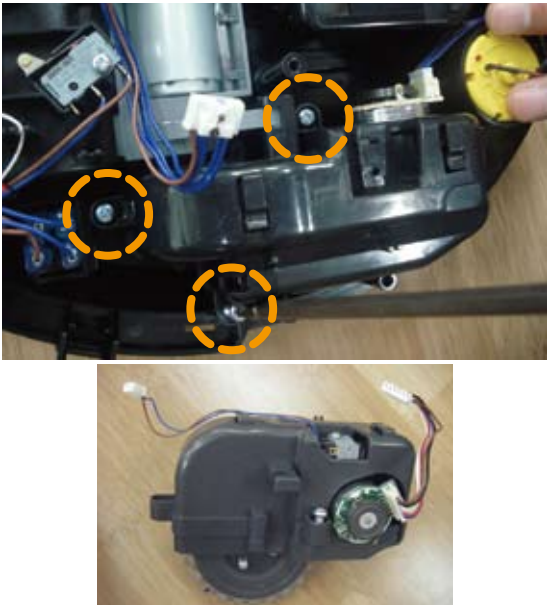
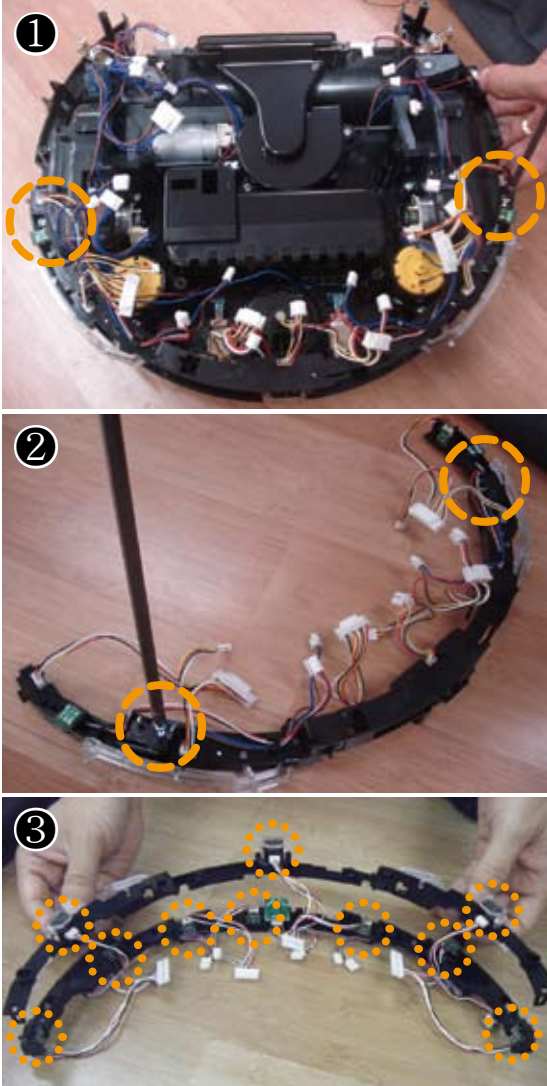
4-2. Main Body Disassembly & Assembly



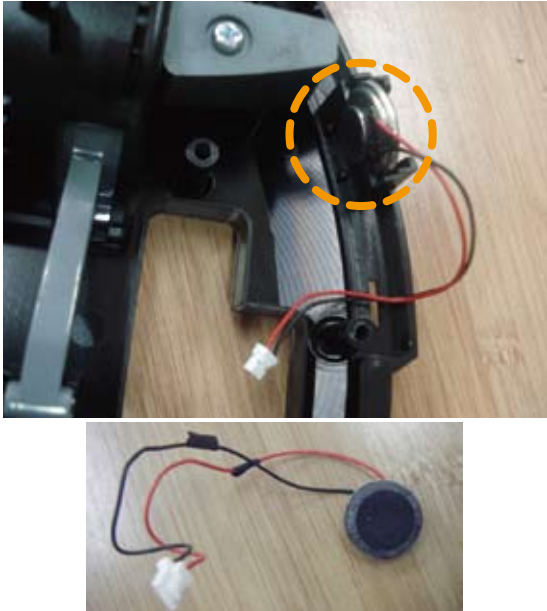
Category	Description	Visual Description
<p>(1) Turn off main power</p>	<p>Flip over the Main Body and turn off the Power Switch (OFF).</p>	
<p>(2) ASSY CASE BASKET (Dust Bin)</p>	<p>Press the Eject Button and separate the Dust Bin by pulling it out.</p> <p> Caution Be sure that the dust in the Dust Bin not get spilled out.</p>	
<p>(3) ASSY DRUM BRUSH (Power Brush)</p>	<p>① Press the locking tap (2ea) with fingers and separate the Power Brush Cover.</p> <p>② Lift up the Power Brush from the Main Body and separate it.</p>	

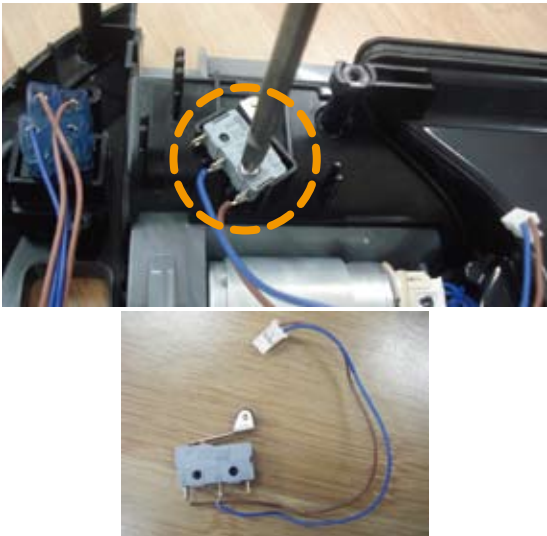
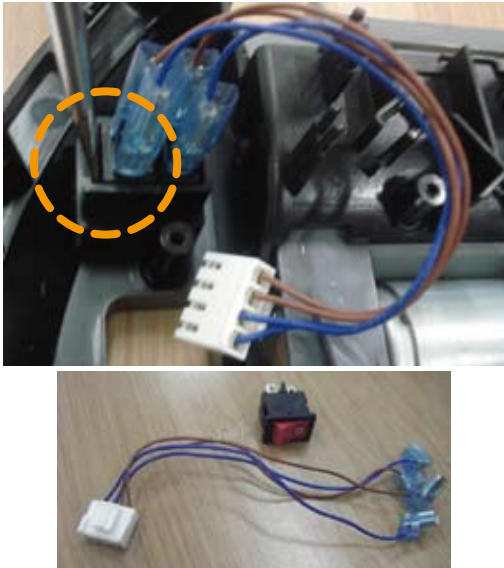
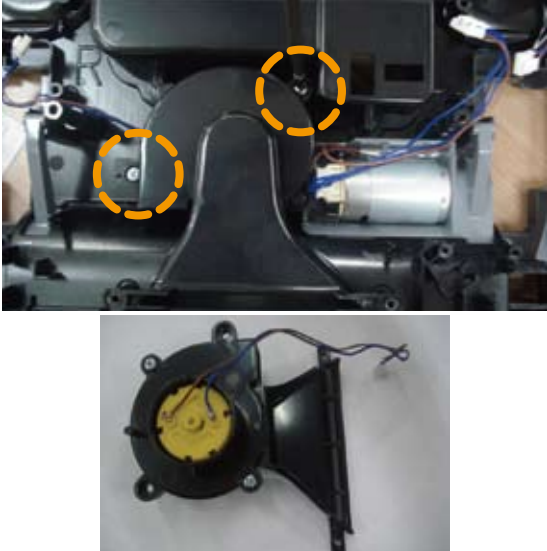
Category	Description	Visual Description
<p>(4) ASSY BRUSH CORNER L/R (Side Rotating Brush)</p>	<p>Remove the screw with the Phillips Screwdriver and separate the left Side Rotating Brush (Separate the right one in the same way)</p> <p> When the rotating brush is bent or dirty, hold it with a lukewarm steam towel and clean it.</p>	
<p>(5) ASSY BATTERY (Battery)</p>	<p>① Remove the screws (2ea) with the Phillips Screwdriver and separate the Battery Cover.</p> <p>② Lift up the ASSY BATTERY and disassemble the Connector from the Main Body.</p>	
<p>(6) ASSY BODY BUMPER</p>	<p>① Remove the screws (2ea) and separate the CAP-SCREW</p>	

Category	Description	Visual Description
<p>(6) ASSY BODY BUMPER</p>	<p>② Remove the ASSY BODY BUMPER by pulling it out</p> <p>③ Separate the Connector from the Main Body.</p> <p>Caution When reassembling, push the ASSY BODY BUMPER in all the way to the CAP SCREW ASSY Hole.</p>	
<p>(7) COVER SIDE L /R</p>	<p>Unlock the tab and separate the COVER SIDE L (Separate the other side in the same way).</p>	
<p>(8) PANEL CONTROL</p>	<p>① Remove the screws (2ea) fastened to the PANNEL CONTROL.</p> <p>② Press the two locking tabs and remove the PANNEL CONTROL by flipping it over backwards.</p>	

Category	Description	Visual Description
<p>(9) BODY MID</p>	<p>Remove the screws (6ea) and separate the BODY MID by lifting it up.</p>	
<p>(10) ASSY PBA MAIN</p>	<p>① Remove the PBA-DISPLAY by lifting it up ② Remove all the connectors from the PBA MAIN and the screws (4ea). And then, separate the PBA MAIN.</p>	
<p>(11) PBA TOUCH (Touch Sensor)</p>	<p>Remove the HOLDER DISPLAY and separate the PBA TOUCH assembled under the INLAY DISPLAY (only for VC-RA8* Series)</p>	




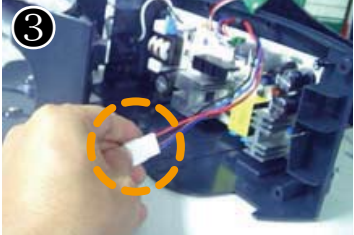





Category	Description	Visual Description
<p>(12) ASSY WHEEL DRIVING L</p>	<p>Remove the screws (3ea) and remove the ASSY WHEEL DRIVING L (Remove the other one in the same way)</p>	
<p>(13) ASSY CASE SENSOR</p>	<p>① Remove the screws (2ea) and remove the ASSY CASE SENSOR by lifting it up</p> <p>② Remove the screw (1ea) and separate ASSY MICRO SENSOR (Bumper Sensor). (Remove the other one in the same way)</p> <p>③ Flip over the ASSY CASE SENSOR, remove the screws (5ea), and separate the Obstacle Sensor (7ea) and the Cliff Sensor (3ea).</p>	

Category	Description	Visual Description
<p>(14) ASSY MOTOR CORNER</p>	<p>Remove the two screws and separate the Side Rotating Brush. (Remove the other one in the same way)</p>	
<p>(15) PBA REAR RECIVER</p>	<p>Remove the screw (1ea) and separate the PBA REAR RECIVER (Remove the other one in the same way)</p>	
<p>(16) SPEAKER</p>	<p>Lift up the Speaker from the Main Body and separate it.</p>	

Category	Description	Visual Description
<p>(17) ASSY SWITCH MICRO DUST</p>	<p>Remove the screw (1ea) and separate the MICRO S/W.</p>	
<p>(18) WIRE HARNESS MAIN SWITCH</p>	<p>Press the side locking tap with the Flat Head Screwdriver and separate the Power Switch.</p>	
<p>(19) ASSY MOTOR FAN</p>	<p>Remove the screws (2ea) and separate the Suction Motor.</p>	

Category	Description	Visual Description
<p>(20) ASSY CASE DRUM</p>	<p>Take care not to break the left / right locking tabs and separate the ASSY CASE DRUM by sliding it down.</p>	
<p>(21) ASSY ROLLER FRONT</p>	<p>By tipping over the locking tab with the Flat Head Screwdriver and separate the ASSY ROLLER FRONT downwards.</p>	

4-3. Charger Disassembly & Assembly

Category	Description	Visual Description
<p>(1) BODY CHARGER & COVER CHARGER FRONT</p>	<p>① Remove the screws (4ea) on the back of the Charger and separate the BODY CHARGER.</p> <p>② Remove the screws (2ea) and separate the COVER CHARGER FRONT.</p> <p>③ Remove the WIRE HARNESS CHARGER MAIN.</p>	<p>①  </p> <p>② </p> <p>③  </p>
<p>(2) PBA-SMPS</p>	<p>Remove the screws (4ea) and separate the PBA SMPS</p>	<p></p> <p></p>
<p>(3) CBF POWER CORD</p>	<p>Separate the CBF POWER CORD</p>	<p> </p>

4-4. Virtual Guard Disassembly & Assembly


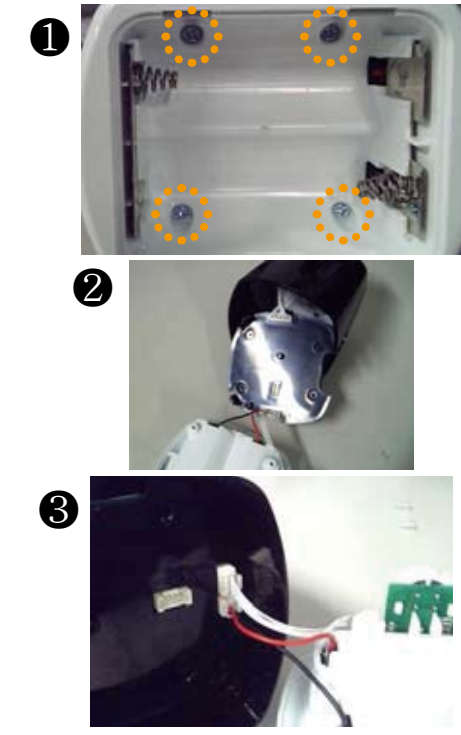




A Type








B Type

4-4-1. A Type

Category	Description	Visual Description
(1) BATTERY	① Open the COVER BATTERY and remove the batteries.	
(2) PBA SWITCH	<p>① Remove the screws (4ea) on the CASE SMART LOW</p> <p>② Separate the HOLDER-PBA OUT by pushing it in</p> <p>③ Remove the WIRE</p>	

Category	Description	Visual Description
<p>(2) PBA SWITCH</p>	<p>④ Remove the screw (1ea) from the HOLDER BUTTON</p> <p>⑤ Separate the PBA SWITCH</p>	<p>④ </p> <p>⑤ </p>
<p>(3) PBAS/ G MAIN</p>	<p>Remove the screw (1ea) and separate the PBA-S/G MAIN</p>	<p></p> <p></p>
<p>(4) PBA TOP</p>	<p>① Remove the screws (4ea) and separate the COVER-REFLECTOR</p> <p>② Remove the screw (1ea) and separate the PBA-S/G SUB</p> <p>③ Separate the WIRE HARNESS-SIGNAL S/G</p>	<p>① </p> <p>② </p> <p>③ </p>

4-4-2. B Type

Category	Description	Visual Description
(1) BATTERY	Open the COVER BATTERY and remove the batteries.	
(2) PBA Virtual Guard	<p>① Remove the screws (5ea) on the CASE SMART LOW.</p> <p>② Remove the WINDOW SMART.</p> <p>③ Disconnect the PBA Virtual Guard and detach it.</p> <p>④ Remove the screws (4ea) on the PBA Virtual Guard.</p>	<p>① </p> <p>② </p> <p>③ </p> <p>④ </p>