

Technical documentation for Eco-design

Product : Built-in Oven

Model : WE Better Series



Table of contents

Part 1. General information	2 - 3
Part 2. Information relevant for non-destructive disassembly for maintenance purposes and for dismantling, recycling, recovery and disposal at end-of-life	4 - 24

Part 1. General information

1. Product

- Product name : Built-in Oven
- Model name : WE Better Series



2. Explanation of series (or derivation) model of the same product

This technical documentation covers series (or derivation) model [WE Better Series] which has same conceptual design and manufacturing drawing and the series (or derivation) model [WE Better Series] have same high risk parts and applications exempted under RoHS.

Add up model	Date
WSED7665B	04/02/2023
WSED7664S	04/02/2023
WS9D7673CB	27/10/2023
WS9D7672CS	27/11/2023
WS9D7651WS	21/03/2024

3. Manufacturer

- Company name : LG Electronics Inc.
- Address : LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Korea

Part 1. General information

4. Information on technical documentation

- Issued date (DD/MM/YYYY) : 04/02/2023
- Revision Date (DD/MM/YYYY) : 21/03/2024
- Revision number (if applicable) : 3
- Written by : Hanil, Park
- Reviewed by : Im Soo, Cho

Revision No.	Revision summary	Issued date
1	Add Model	27/10/2023
2	Add Model	27/11/2023
3	Disassembly Method Update & Add Model	21/03/2024

Part 2. Information relevant for non-destructive disassembly for maintenance purposes and for dismantling, recycling, recovery and disposal at end-of-life

1. Disassembly, assembly and repairing policy

When separating pre-separated parts and materials from the product, they can be separated using only ordinary tools. Designed in consideration of the minimization of the type of fastening to increase fastening to facilitate disassembly and dismantling.

2. How to disassemble/dismantle parts

- Power Cord

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

3. Open the power cord bracket.

4. To remove the power cord, remove 3 ea screw from the terminal block.



1. Turn off the electrical supply going to the range.
2. To remove the rear cover bracket, remove 4 ea screw from the rear cover bracket.



2. How to disassemble/dismantle parts

- Top Cover

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.

2. To remove the top cover, remove 9 ea screw from the top cover.



2. How to disassemble/dismantle parts

- Rear Cover

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove the **POWER CORD** (page 2-2).
3. To remove the rear cover, remove 8 ea screws from the rear cover.



2. How to disassemble/dismantle parts

- Knock on Module

WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. To remove the Knock on module, disconnect the 1 ea housing and remove the 1 ea screw.



4. Pull out the module left and forward.



2. How to disassemble/dismantle parts

- Moving Controller Motor

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- Replace all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- Be careful when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. To remove the cam motor, disconnect the 2 ea housing and remove the 2 ea screws.



2. How to disassemble/dismantle parts

- Main PCB & PCB Case

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

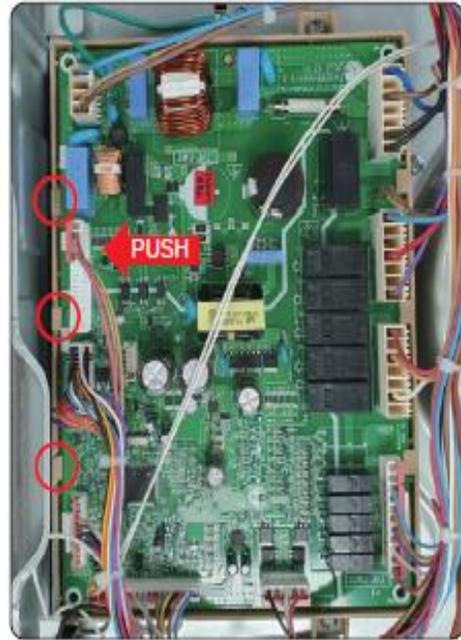
⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. To remove the Main PCB, disconnect the 11 ea housings and remove the 1 ea screw.



4. Pull out the PCB while pulling the 3 hooks.



5. To remove the PCB case, remove the 2 ea screw.



2. How to disassemble/dismantle parts

- Controller

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. Disconnect 1 ea housing.



4. Remove the 2 ea screws.



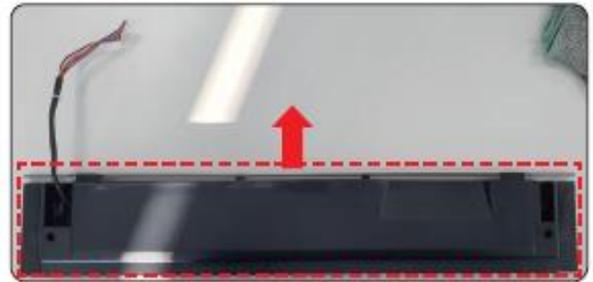
5. To remove the cover of hinge, pull the cover as below.



6. Firmly grasp both sides of the controller and pull the controller towards you until the hinge latches are completely released.



7. To remove the cover of controller, pull the cover as below.



8. Disconnect the 6 ea housing.



2. How to disassemble/dismantle parts

- Control Panel

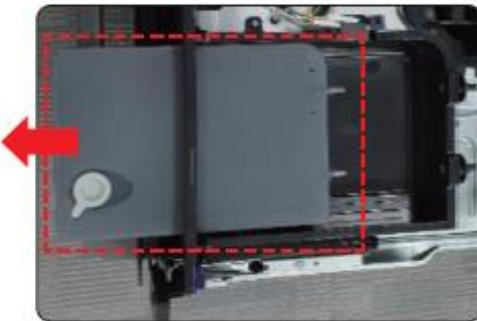
⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. Pull out the water tank as below.



4. To remove water case, remove 4 ea screws.



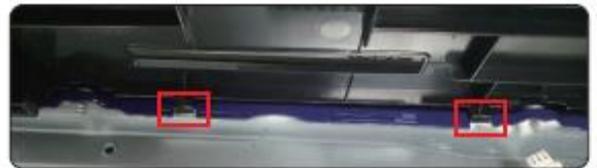
5. Remove 4 ea screws.



6. To remove controller case, pull the control panel as below.



Reassembly note: when you install the control panel, make sure that 2 hooks are seated in gap of cavity.



2. How to disassemble/dismantle parts

- Side Panel

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace all panels and parts before operating.**
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful when you work on the electric range handling the sheet metal part.**
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER (page 2-3).
3. Remove REAR COVER (page 2-4).
4. Remove the 7 screws and repeat on the opposite side.



2. How to disassemble/dismantle parts

- Cooling Motor, Rocking Module & Thermostat

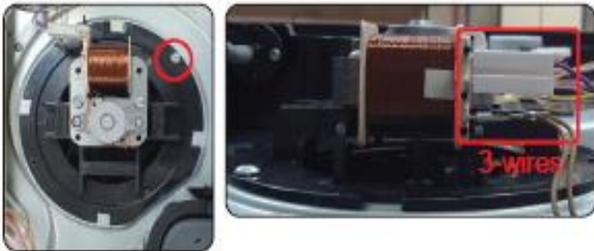
⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
 - Replace all panels and parts before operating.
 - **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

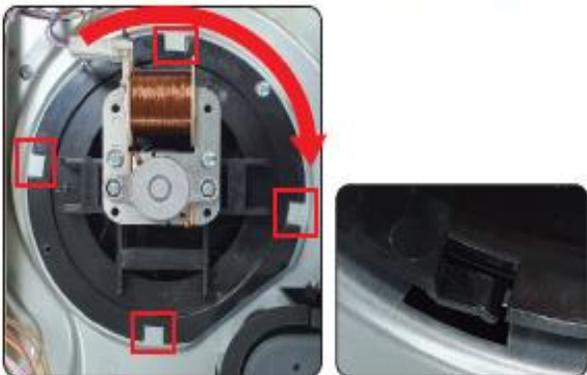
⚠ CAUTION

- Be careful when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove TOP COVER and KNOCK ON MODULE (page 2-3, 2-5).
3. Remove the 1 ea screw and disconnect 3 ea wires.



4. To remove the cooling motor, turn it clockwise.



5. To remove the rocking module, disconnect the 3 ea housings and remove the 2 ea screws.



6. To remove the thermostat, disconnect the 2 ea wires and remove the 1 ea screw.



2. How to disassemble/dismantle parts

- Broil Element (Sheath Heater)

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- Replace all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- Be careful when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove the **OVEN DOOR** (page 2-18) and remove the accessories from inside the oven.
3. After removing the **REAR COVER** (page 2-4), unplug the 4 ea screws.

4. Remove the 4 ea wires.



2. How to disassemble/dismantle parts

- Bake Element (Sheath Heater)

REMOVING THE BAKE ELEMENT (SHEATH HEATER)

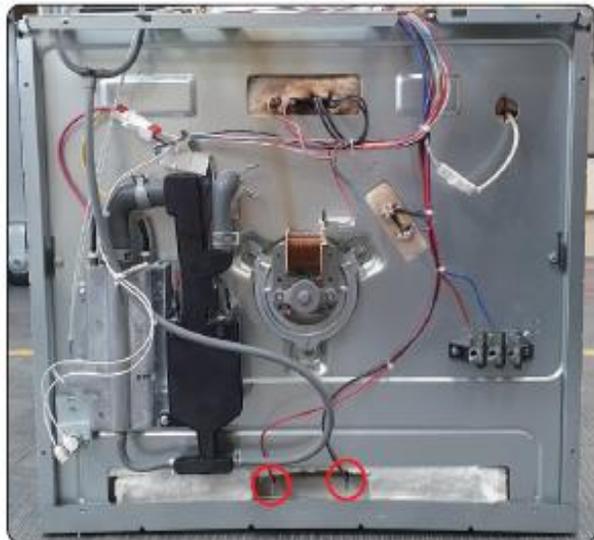
⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

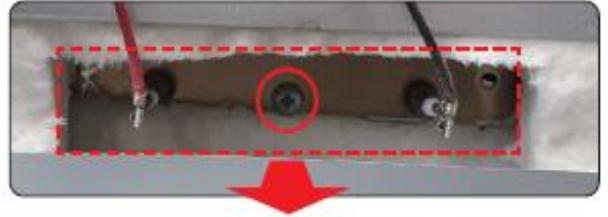
⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. After removing the REAR COVER (page 2-4), unplug the 2 ea wires.



3. Remove the 1 ea screw and pull the element forward.



2. How to disassemble/dismantle parts

- Convection Motor, Convection Heater, Fan Blade, Fan Motor

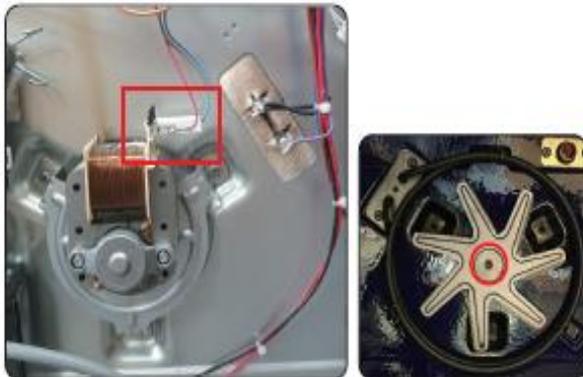
1. Disconnect power and remove oven racks.
2. Remove the DOOR and REAR COVER (page 2-18, 2-4).
3. Remove the 4 ea fan cover screws and set the fan cover aside.



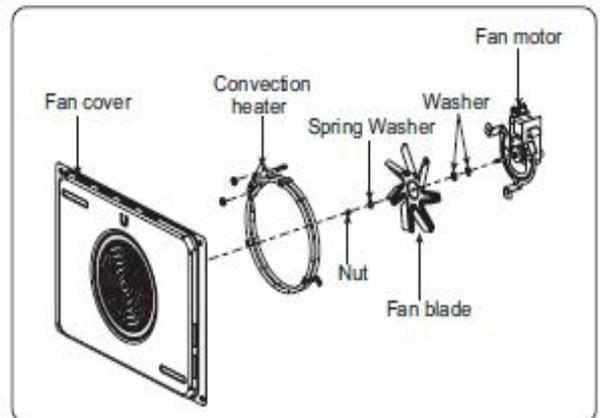
⚠ CAUTION

- **Be careful not to bend the fan blade**
- Failure to do so can result in vibration, noise, and poor convection performance when operating.

4. To remove the convection motor:
 - a) Unplug the 3 ea wires from the convection motor.
 - b) Remove the nut by screwing clockwise.
(Fan blade can be replaced from inside oven)
 - c) Remove the 3 ea bracket screws.



5. To remove the convection heater,
 - a) Unplug the 2 ea wires from the convection heater.
 - b) Remove the 3 ea screws from inside oven.



NOTE: Need to assemble 2 washers behind the Fan blade.

2. How to disassemble/dismantle parts

- Oven Right, Socket Assembly

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Turn the glass bulb cover counterclockwise to remove.
3. Pull the bulb out of the socket.

Glass cover & Bulb



Inner Ring
Outer Ring
Glass cover & Bulb

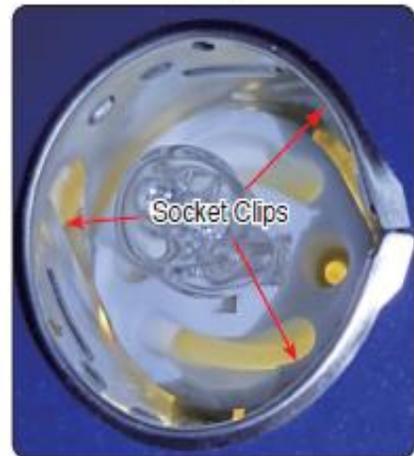


⚠ CAUTION

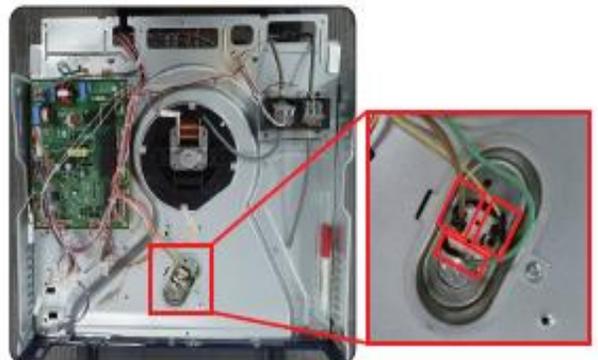
- **Be careful** not to scratch or chip the oven liner paint when you remove the oven light socket in the next step.

5. Use a screwdriver and bend the clips on the oven light socket away from the edges of the liner hole, and pull the socket out of the liner.

NOTE: If it is too difficult to remove the socket from the front of the oven, you will have to push the socket out from the top of the unit.



6. Disconnect the wires from the socket terminals.



<Viewed From Rear Panel>

2. How to disassemble/dismantle parts

- Motor & Micro Switch

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. After removing the TOP COVER and KNOCK ON module (page 2-3, 2-5), unplug the 3 ea housings and remove the 2 ea screws.



2. How to disassemble/dismantle parts

- Oven Temperature Sensors

⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- Replace all panels and parts before operating.
- **RECONNECT** all grounding devices.
 - Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

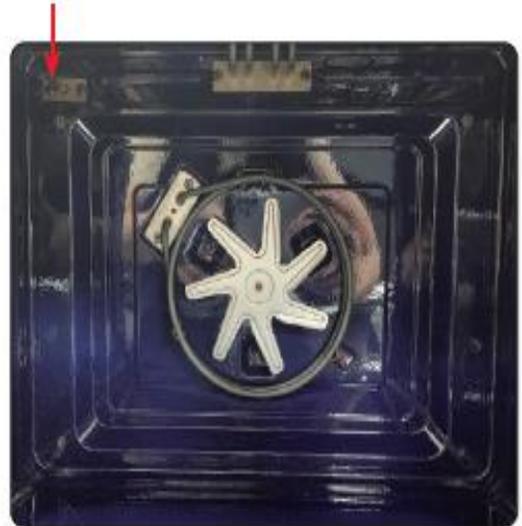
- Be careful when you work on the electric range handling the sheet metal part.
 - Sharp edges may be present and you can cut yourself.

1. Turn off the electrical supply going to the range.
2. Remove the DOOR and REAR COVER (page 2-18, 2-4).
3. Remove the 4 ea fan cover screws and set the fan cover aside.



4. To remove an oven temperature sensor, disconnect the connector from the main harness and remove the 2 ea screws in oven cavity.

Oven Sensor



2. How to disassemble/dismantle parts

- Oven Door

CAUTION

- Be careful when removing and lifting the door.
- DO NOT lift the door by the handle. The door is very heavy.

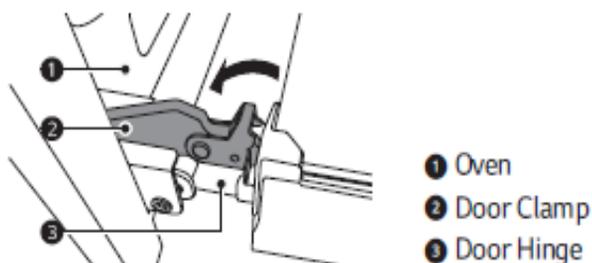
Removing the Door

Step. 1

Fully open the door.

Step. 2

Lift up the door clamp **2** and flip it towards the oven **1** completely.

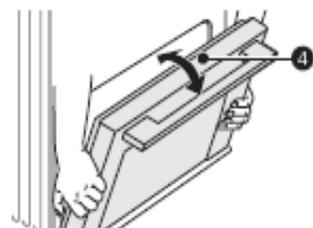


Step. 3

Firmly grasp both sides of the door at the top.

Step. 4

Partially close the door to approximately 70 degrees **4**. If the position is correct, the hinges **3** will move freely.



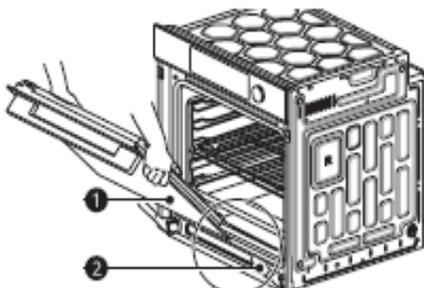
Step. 5

Lift and pull the door towards you until the hinge latches are completely released.

Assembling the Oven Door

Step. 1

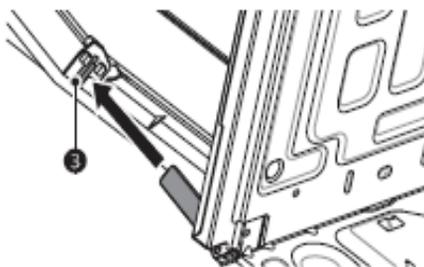
Firmly grasp both sides of the door **1** near the top.



- 1 Oven Door
- 2 Door Hinge

Step. 2

Fully insert the hinges **b** into the slots **3**.

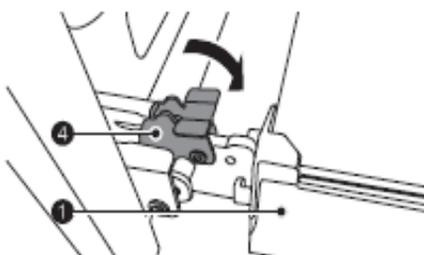


Step. 3

Slowly open the door fully. Make sure that the hinges **2** are properly engaged in the slots **3**.

Step. 4

Lift up the door clamp **4** and flip it towards the oven door **1** until it clicks into position.



Step. 5

Close the door.

2. How to disassemble/dismantle parts

- Oven Door Handle & Glass

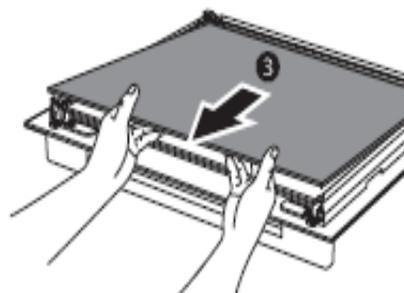
⚠ WARNING

- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

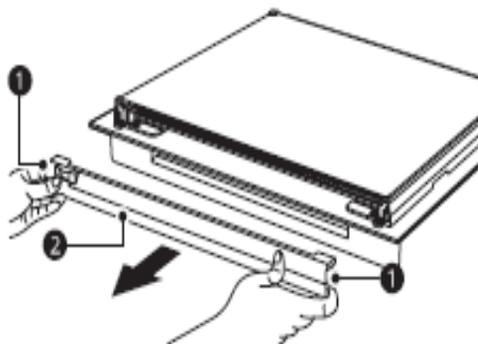
3. With both hands, grab and lift up the glass panel **3** slightly and pull forward to remove it from the oven door.
Repeat to remove all three layers of glass panels.



Dismantling the Oven Door

The oven door contains three layers of glass panels. Remove the oven door from the oven before dismantling the oven door.

1. Remove the oven door from the oven and place it on a soft, flat surface to prevent breakage and scratching with the door handle facing the floor.
2. Push the locks **1** on both sides of the door top cover **2** and pull forwards.



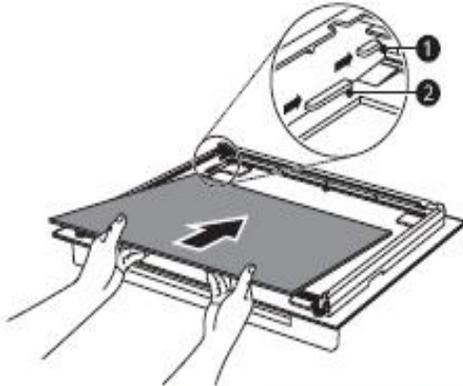
2. How to disassemble/dismantle parts

- Oven Door Handle & Glass

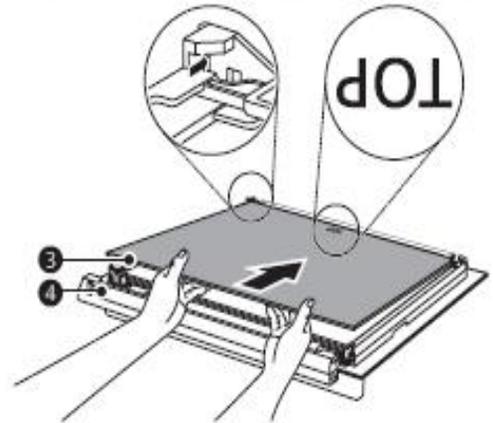
Assembling the Glass Panel

Assemble the glass panels in the reverse sequence of its removal.

1. Slide in the bottom glass panel into ❷ and the second glass panel into ❶ of the oven door.
 - Assemble the side marked 'LG' in the handle direction.



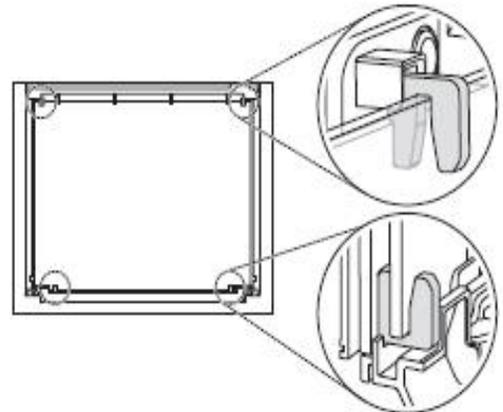
2. Slide in the top glass panel ❸ on top of the second glass panel into the oven door.
 - After assembly, make sure that the word 'TOP' is visible at the bottom of the glass panel(3).



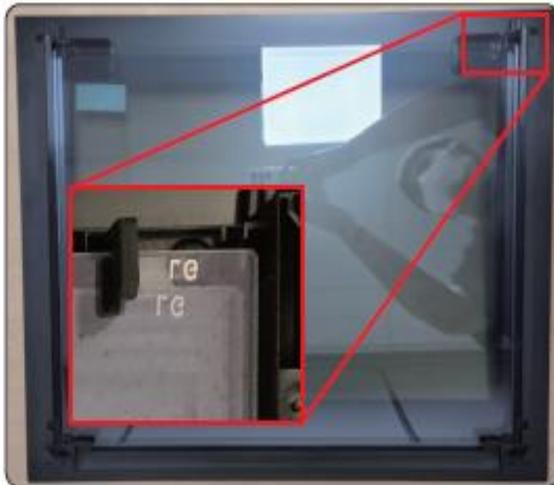
3. Assemble the door top cover ❹.

NOTE

- Assemble the 4 packings in the door as follows.



- Packing holds the glass, which reduces noise when using the door.)



2. How to disassemble/dismantle parts

- Oven Door Gasket

⚠ WARNING

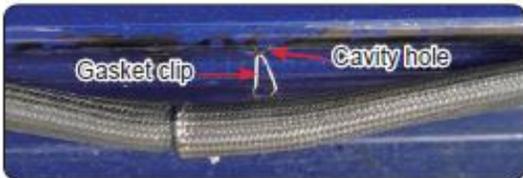
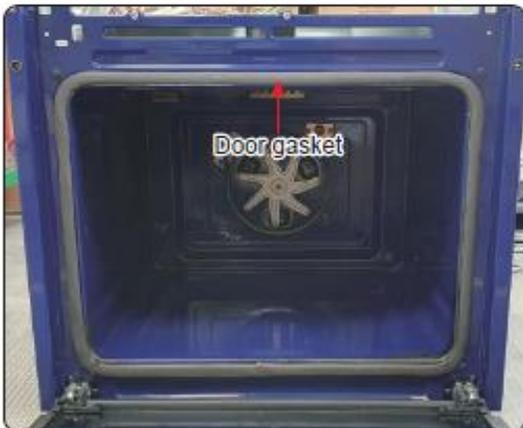
- **DISCONNECT** power supply cord from the outlet before servicing.
- **Replace** all panels and parts before operating.
- **RECONNECT** all grounding devices.
- Failure to do so can result in severe personal injury, death or electric shock.

⚠ CAUTION

- **Be careful** when you work on the electric range handling the sheet metal part.
- Sharp edges may be present and you can cut yourself.

Removing the Oven Door Gasket

1. Open the oven door to its fully down position.
2. Pull the oven door gasket clips out of the cavity holes until all of the clips are removed.



REASSEMBLY NOTE: When you install the new gasket, make sure that all of the clips are seated in their liner holes. Assemble the gasket junction underneath the cavity.

Assembling the Oven Door Gasket

1. Open the oven door to its fully down position.



2. Insert the oven door gasket clips into the lower holes. (9 ea)



3. Insert the remaining clips into the upper holes. (8 ea)



3. Recycle policy information

- Product

Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.

You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling