

48 SMART FUNCTIONS

RF Module Specifications

Type	Frequency Range	Output Power (Max.)
Wi-Fi	2412 - 2462 MHz	< 30 dBm
Bluetooth	2402 - 2480 MHz	< 30 dBm

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules for transmitter module and part 18 of the FCC Rules for this equipment. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device (transmitter module contained in this product) complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

Smart Diagnosis™ Feature

Use this feature to help you diagnose and solve problems with your appliance.

NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or app unavailability.
- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

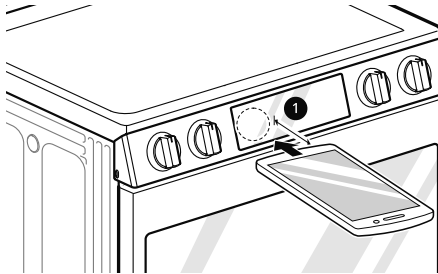
Using Audible Diagnosis to Diagnose Issues

Follow the instructions below to use the audible diagnosis method.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions for audible diagnosis provided in the **LG ThinQ** application.

- 1 Press the **START** button for 3 seconds.
 - If the display has been locked, you must deactivate the lock and then reactivate it.

- 2 Hold the mouthpiece of your phone in front of the control panel, as shown below.



1 Max: 3/8" (10 mm)

- 3 Keep the phone in place until the tone transmission has finished. The display will count down the time. Once the countdown is over and the tones have stopped, the diagnosis will be displayed in the application.

NOTE

- For best results, do not move the phone while the tones are being transmitted.

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MAINTENANCE

Cleaning

CAUTION

- Do not clean this appliance with bleach.
- To prevent burns, wait until the cooktop has cooled down before touching any of its parts.
- Always wear gloves when cleaning the cooktop.

Interior

Do not use oven cleaners to clean the oven cavity. Use the product's **EasyClean** function regularly to clean light soil. For stubborn soil, use the **Self Clean** function (on some models) or clean manually using the following tips.

- A plastic spatula can be used as a scraper to scrape off any chunks or debris before and during oven cleaning.
- Using the rough side of a non-scratch scouring pad may help to take off burnt-on stains better than a soft sponge or towel.
- Certain non-scratch scrubbing sponges, such as those made of melamine foam, available at local stores, can also help improve cleaning.

CAUTION

- Do not use oven cleaners, harsh chemical cleaners, bleach, vinegar, steel scouring pads, or abrasive pads or cleansers to clean the oven, as they can permanently damage the oven surface.
- Do not clean the gasket.

Exterior

Control Panel

To prevent activating the control panel during cleaning, disconnect power to the appliance. Clean up splatters with a damp cloth using a glass cleaner. Remove heavier soil with warm, soapy water. Do not use abrasives of any kind.

Front Manifold Panel and Knobs

It is best to clean the manifold panel after each use of the range. For cleaning, use a damp cloth and mild soapy water or a 50/50 solution of vinegar and water. Rinse with clean water and polish dry with a soft cloth.

CAUTION

- Do not use abrasive cleansers, strong liquid cleaners, plastic scouring pads or oven cleaners on the manifold panel. Doing so will damage the finish.
- Do not try to bend the knobs by pulling them up or down, and do not hang a towel or other objects on them. This can damage the gas valve shaft.
- The control knobs may be removed for easy cleaning.
- To clean the knobs, make sure that they are in the **OFF** position and pull them straight off the stems.
- To replace the knobs, make sure the knob has the **OFF** position centered at the top, and slide the knob directly onto the stem.

NOTE

- To prevent scratching, do not use abrasive cleaners on any of these materials.

Painted and Decorative Trim

For general cleaning, use a cloth with hot soapy water. For more difficult soils and built-up grease, apply a liquid detergent directly onto the soil. Leave it on for 30 to 60 minutes. Rinse with a damp cloth and dry. Do not use abrasive cleaners.

Stainless Steel Surfaces

To avoid scratches, do not use steel wool pads.

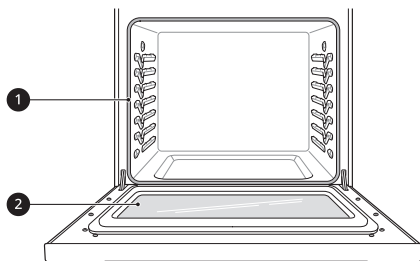
- 1 Place a small amount of stainless steel appliance cleaner or polish on a damp cloth or paper towel.
- 2 Clean a small area, rubbing with the grain of the stainless steel if applicable.
- 3 Dry and buff with a clean, dry paper towel or soft cloth.
- 4 Repeat as necessary.

NOTE

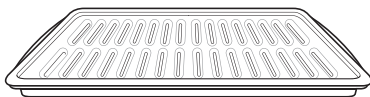
- To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish.
- Always wipe in the direction of the metal surface finish.
- Stainless steel appliance cleaner or polish can be purchased online or from most retailers of appliances or home goods.

Oven Door**CAUTION**

- Do not use harsh cleaners or harsh abrasive cleaning materials on the outside of the oven door. Doing so can cause damage.
- Use soapy water to thoroughly clean the oven door. Rinse well. Do not immerse the door in water.
- You may use a glass cleaner on the outside glass of the oven door. Do not spray water or glass cleaner on the door vents.
- Do not use oven cleaners, cleaning powders, or harsh abrasive cleaning materials on the outside of the oven door.
- Do not clean the oven door gasket. The oven door gasket is made of a woven material that is essential for a good seal. Care should be taken not to rub, damage, or remove this gasket.



- 1 Don't hand clean oven door gasket
- 2 Do hand clean door

Broiler Pan and Grid

- Do not store a soiled broiler pan or grid anywhere in the range.

- Do not clean the broiler pan or grid in a self cleaning mode. (Available on some models)
- Remove the grid from the pan. Carefully pour out the grease from the pan into a proper container.
- Wash and rinse the broiler pan and grid in hot water with a soap-filled or plastic scouring pad.
- If food has burned on, sprinkle the grid with cleaner while hot and cover with wet paper towels or a dishcloth. Soaking the pan will remove burned-on foods.
- Both the broiler pan and grid may be cleaned with a commercial oven cleaner or in the dishwasher.

Oven Racks

Remove the oven racks before operating the Self Clean cycle (on some models) and EasyClean.

- 1 Clean with a mild, abrasive cleaner.
 - Food spilled into the tracks could cause the racks to become stuck.

- 2 Rinse with clean water and dry.

NOTE

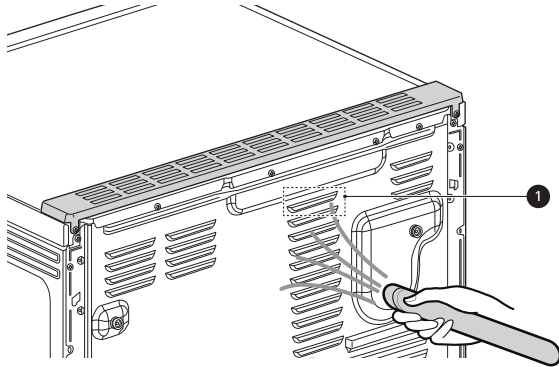
- For models with Self Clean function:
 - If the racks are cleaned using the Self Clean cycle (not recommended), the color will turn slightly blue and the finish will become dull. After the Self Clean cycle is complete, and the oven has cooled, rub the sides of the racks with wax paper or a cloth containing a small amount of oil. This will make the racks glide more easily into the rack tracks.

Vent Louvers

- The appearance of the range may differ from model to model.

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Use a vacuum cleaner with a brush or crevice attachment to clean the vent louvers **1**. Do not remove the panel covering the range.



Cooktop Surface

Glass-Ceramic Cooktop

⚠ WARNING

- To protect hands from burns, always wear oven mitts or use pot holders while using a scraper on the hot cooking surface.

⚠ CAUTION

- If any sugar or food containing sugar spills, or plastic or foil melts on the cooktop, remove the material IMMEDIATELY with a metal razor scraper while the cooking surface is still hot to avoid the risk of damage to the glass-ceramic surface. When used correctly, the scraper will not damage the cooktop surface.
- If water or food containing water spills, remove the spill IMMEDIATELY with a dry paper towel.
- Do not use scrub pads or abrasive cleaning pads. They may damage your cooktop surface.

Use ceramic cooktop cleaner on the glass cooktop. Other cleaners may not be as effective or may scratch, damage or stain the cooktop surface.

To maintain and protect the surface of the glass cooktop, follow these steps:

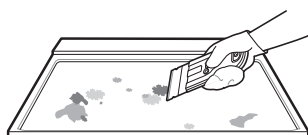
- 1** Before using the cooktop for the first time, clean it with a ceramic cooktop cleaner. This helps protect the top and makes cleanup easier.
- 2** Use ceramic cooktop cleaner daily to help keep the cooktop looking new.
- 3** Shake the cleaner well. Apply a few drops of cleaner directly to the cooktop.
- 4** Use a paper towel to clean the entire cooktop surface.
- 5** Rinse with clear water and use a dry cloth or paper towel to remove all cleaning residue.

NOTE

- Any damage or failure of the product resulting from the items below may not be covered under the LIMITED WARRANTY.
- Sugary spillovers (such as preserves, ketchup, tomato sauce, jellies, fudge, candy, syrups, or chocolate) or melted plastics can cause pitting on the surface of your cooktop.
- If food or water containing calcium (such as baking powder, wine, milk, spinach, or broccoli) is spilled on the cooktop, it can permanently stain or discolor the surface.

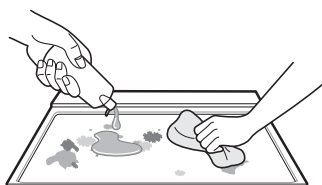
Burned-On Residue

- While the cooktop is still warm, remove any burnt on deposits or spilled food from the glass-ceramic cooking surface with a suitable metal razor scraper.

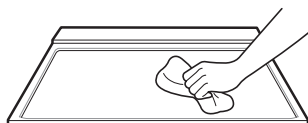
**NOTE**

- Do not use a dull or nicked blade.
- Hold the scraper at approximately a 30° angle to the cooktop.
- The razor scraper will not damage the markings on the cooking surface.
- Take care to avoid damaging the seal when cleaning the cooktop with a metal razor scraper.

- When the cooking surface has completely cooled, apply a few dime-sized dabs of a glass-ceramic cooktop cleaner in each burner area. Spread the cleaner over the cooktop surface with a damp paper towel. Leave the cleaner on for 10 minutes before rinsing it off.



- Rinse with clean water and wipe the cooktop surface with a clean, dry paper towel.

**Cooktop Seal**

- To remove burned-on soil from the seal around the outside of the glass-ceramic cooktop, cover the area with a warm, wet cloth to soften the soil.
- After a few minutes, wipe the area clean with a mild, nonabrasive cleaner.

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⚠ CAUTION

- Do not use a knife or any sharp object to clean the seal around the outside of the glass-ceramic cooktop.
- Take care to avoid damaging the seal when cleaning the cooktop with a metal razor scraper.

Maintaining the Cooktop

⚠ CAUTION

- Do not use chlorine bleach, ammonia, or other cleaners not specifically recommended for use on glass-ceramic cooktops.
- Let your glass-ceramic cooking surface cool off before cleaning.

-	Wipe off with a damp towel and mild detergent	Use a metal scraper	Apply cooktop cleaner. Rub with a towel.	Rinse with a damp towel, then wipe dry.
Regular (Recommended after each use)		-	-	-
Occasional (Recommended every week)	-	-		
Thorough (Recommended for tough stains or burnt-on food)	-			

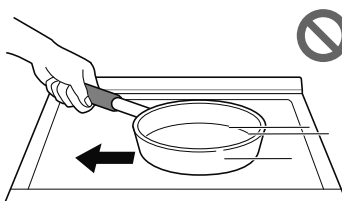
NOTE

- For additional product information, visit our website at www.lg.com

Metal Marks and Scratches

⚠ CAUTION

- Always use heavier gauge, high-quality cookware on the cooking elements and do not slide it on the ceramic cooktop surface. Even high-quality cookware can scratch the cooktop surface.



- Any cookware that has a rough or dirty bottom can mark and scratch the cooktop surface. Always start with clean cookware.
- Do not use cookware if there is foreign matter on the cooktop surface. Always clean the cooktop surface before cooking.

NOTE

- Any damage or failure of the product resulting from the items below may not be covered under the LIMITED WARRANTY.
 - Be careful not to slide pots and pans across the cooktop. Doing so will leave metal markings on the cooktop surface. To help remove these marks, use a ceramic cooktop cleaner with a cleaning pad for ceramic cooktops.
 - If pots with a thin overlay of aluminum or copper are allowed to boil dry, the overlay may leave a black discoloration on the cooktop. This should be removed immediately before heating again or the discoloration may be permanent.

EasyClean

LG's EasyClean enamel technology provides two cleaning options for the inside of the range. The EasyClean feature takes advantage of LG's new enamel to help lift soils without harsh chemicals, and it runs using ONLY WATER for just 10 minutes in low temperatures to help loosen LIGHT soils before hand cleaning.

While EasyClean is quick and effective for small and LIGHT soils, the Self Clean feature can be used to remove HEAVY, built up soils. The intensity and high heat of the Self Clean cycle may result in smoke which will require the opening up of windows to provide ventilation. Compared to the more intense Self Clean process, your LG oven gives you the option of cleaning with LESS HEAT, LESS TIME, and virtually NO SMOKE OR FUMES. You can reduce energy use by cleaning light oven soils with the EasyClean feature instead of Self Clean.

When needed, the range still provides the Self Clean option for longer, more thorough oven cleaning for heavier, built up soils.

- For hard to reach areas such as the back surface of the oven, it is better to use the Self Clean cycle.

Benefits of EasyClean

- Helps loosen light soils before hand-cleaning
- EasyClean only uses water; no chemical cleaners
- Makes for a better Self Clean experience
 - Delays the need for a Self Clean cycle
 - Minimizes smoke and odors
 - Can allow shorter Self Clean time

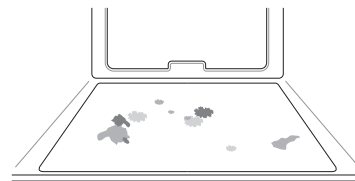
NOTE

- For models without Self Clean option
 - The EasyClean feature may not be effective in removing heavy, built-up soils. Because the range does not include a Self Clean option,

clean the oven regularly using the EasyClean feature to prevent heavy, burnt-on soil from building up in the oven.

When to Use EasyClean

- Example of oven soiling

**Case 1**

- Soil pattern: Small drops or spots
- Types of soils: Cheese or other ingredients
- Common food items that can soil your oven: Pizza

Case 2

- Soil pattern: Light splatter
- Types of soils: Fat/grease
- Common food items that can soil your oven: Steaks, broiled / Fish, broiled / Meat roasted at low temperatures

EasyClean Instruction Guide**NOTE**

- Allow the oven to cool to room temperature before using the EasyClean cycle. If your oven cavity is above 150 °F (65 °C), Hot will appear in the display, and the EasyClean cycle will not be activated until the oven cavity cools down.
- The range should be level to ensure that the bottom surface of the oven cavity is entirely covered by water at the beginning of the EasyClean cycle.

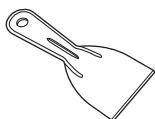
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NOTE

- For best results, use distilled or filtered water. Tap water may leave mineral deposits on the oven bottom.
- Soil baked on through several cooking cycles will be more difficult to remove with the EasyClean cycle.
- Do not open the oven door during the EasyClean cycle. Water will not get hot enough if the door is opened during the cycle.

- 1 Remove oven racks and accessories from the oven.

- 2 Scrape off and remove any burnt-on debris with a plastic scraper.

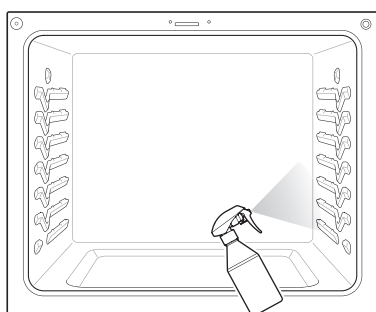


- Suggested plastic scrapers:

- Hard plastic spatula
- Plastic pan scraper
- Plastic paint scraper
- Old credit card

- 3 Fill a spray bottle (10 oz or 300 ml) with water and use the spray bottle to thoroughly spray the inside surfaces of the oven.

- 4 Use at least 1/5 (2 oz or 60 ml) of the water in the bottle to completely saturate the soil on both the walls and in the corners of the oven.



- 5 Spray or pour the remaining water (8 oz or 240 ml) onto the bottom center of the oven

cavity. The indentation on the oven bottom should be fully covered to submerge all soils. Add water if necessary.

NOTE

- If cleaning multiple ovens, use an entire bottle of water to clean each oven. Do not spray water directly on the door. Doing so will result in water dripping to the floor.

- 6 Close the oven door. Press **EasyClean**. Press **START**.

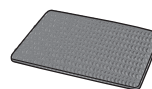
CAUTION

- Some surfaces may be hot after the EasyClean cycle. Wear rubber gloves while cleaning to prevent burns.
- During the EasyClean cycle, the oven becomes hot enough to cause burns. Wait until the cycle is over before wiping the inside surface of the oven. Failure to do so may result in burns.
- Avoid leaning or resting on the oven door glass while cleaning the oven cavity.

- 7 A tone will sound at the end of the 10 minute cycle. Press **CLEAR/OFF** to clear the display and end the tone.

- 8 After the cleaning cycle and during hand-cleaning, enough water should remain on the oven bottom to completely submerge all soils. Add water if necessary. Place a towel on the floor in front of the oven to capture any water that may spill out during hand-cleaning.

- 9 Clean the oven cavity immediately after the EasyClean cycle by scrubbing with a wet, non-scratch scouring sponge or pad. (The scouring side will not scratch the finish.) Some water may spill into the bottom vents while cleaning, but it will be captured in a pan under the oven cavity and will not hurt the burner.



NOTE

- Do not use any steel scouring pads, abrasive pads or cleaners as these materials can permanently damage the oven surface.

10 Once the oven cavity is cleaned, wipe any excess water with a clean dry towel. Replace racks and any other accessories.

11 If some light soils remain, repeat the above steps, making sure to thoroughly soak the soiled areas.

- For models with Self Clean function
 - If stubborn soils remain after multiple EasyClean cycles, run the Self Clean cycle. Be sure that the oven cavity is empty of oven racks and other accessories, and that the oven cavity surface is dry before running the Self Clean cycle. Consult the Self Clean section of your owner's manual for further details. If a Self Clean option is not available, scrape off and remove stubborn soil using a scraper.

NOTE

- If you forget to saturate the inside of the oven with water before starting EasyClean, press **CLEAR/OFF** to end the cycle. Wait for the range to cool to room temperature and then spray or pour water into the oven and start another EasyClean cycle.
- The cavity gasket may be wet when the EasyClean cycle finishes. This is normal. Do not clean the gasket.
- If mineral deposits remain on the oven bottom after cleaning, use a cloth or sponge soaked in vinegar to remove them.
- It is normal for the fan to operate during the EasyClean cycle.
- Using commercial oven cleaners or bleach to clean the oven is not recommended. Instead, use a mild liquid cleanser with a pH value below 12.7 to avoid discoloring the enamel.

Self Clean

The Self Clean cycle uses extremely hot temperatures to clean the oven cavity. While running the Self Clean cycle, you may notice smoking or an odor. This is normal, especially if

the oven is heavily soiled. During Self Clean, the kitchen should be well ventilated to minimize the odors from cleaning.

Before Starting Self Clean

- Clean only parts listed in manual. Remove the oven racks, broiler pan, broiler grid, all cookware, aluminum foil or any other material from the oven.
 - If oven racks are left in the oven cavity during the Self Clean cycle, they will discolor and become difficult to slide in and out.
- The kitchen should be well ventilated to minimize the odors from cleaning. Open a window or turn on a ventilation fan or hood before self-cleaning.
- Wipe any heavy spillovers on the bottom of the oven.
- Make sure that the oven light cover is in place and the oven light is off.
- Clean the frame of the oven and door with hot soapy water. Rinse well.

! WARNING

- If the oven is heavily soiled with oil, self-clean the oven before using the oven again. The oil could cause a fire.
- If there is a fire in the oven during self-clean, turn the oven off and wait for the fire to go out. Do not force the door open. Introduction of fresh air at self-clean temperatures may lead to a burst of flame from the oven. Failure to follow this instruction may result in severe burns.

! CAUTION

- Do not use oven cleaners. Commercial oven cleaner or oven liner protective coating of any kind should not be used in or around any part of the oven.
- The oven displays an F error code and sounds three long beeps during the self-cleaning process if it malfunctions in the self-clean mode. Switch off the electrical power to the main fuse or breaker and have the oven serviced by a qualified technician.
- If the self cleaning mode malfunctions, turn the range off and disconnect the power supply. Have it serviced by a qualified technician.
- It is normal for parts of the oven to become hot during a Self Clean cycle. Avoid touching the cooktop, door, window or oven vent area during a Self Clean cycle.

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CAUTION

- Do not leave small children unattended near the appliance. During the Self Clean cycle, the outside of the range can become very hot to the touch.
- If you have pet birds, move them to another well-ventilated room. The health of some birds is extremely sensitive to the fumes given off during the Self Clean cycle of any range.
- Do not line the oven walls, racks, bottom or any other part of the range with aluminum foil or any other material. Doing so will destroy heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven).

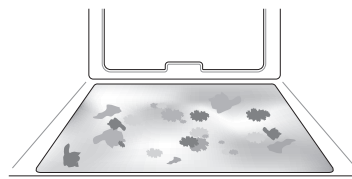
NOTE

- The oven light cannot be turned on during a Self Clean cycle. The oven light cannot be turned on until the oven temperature has cooled below 500 °F (260 °C) after a Self Clean cycle is complete.
- During the Self Clean cycle, the cooktop elements and warming drawer cannot be used.
- Clean the frame of the oven and door with hot soapy water. Rinse well.
- Do not clean the gasket. The fiberglass material of the oven door gasket cannot withstand abrasion. It is essential for the gasket to remain intact. If you notice it becoming worn or frayed, replace it.
- It is normal for the fan to operate during the Self Clean cycle.
- As the oven heats, you may hear sounds of metal parts expanding and contracting. This is normal and will not damage the oven.
- You may notice some white ash in the oven. Wipe it off with a damp cloth or a soap-filled steel wool pad after the oven cools. If the oven is not clean after one Self Clean cycle, repeat the cycle.
- If oven racks were left in the oven and do not slide smoothly after a Self Clean cycle, wipe racks and rack supports with a small amount of vegetable oil to make them glide more easily.
- After a Self Clean cycle, fine lines may appear in the porcelain because it went through heating and cooling. This is normal and will not affect performance.
- The Self Clean cycle cannot be started if the Control Lock / Lockout feature is active.

- After the oven is turned off, the convection fan keeps operating until the oven has cooled down.

When to Use Self Clean

- Example of oven soiling



Case 1

- Soil pattern: Medium to heavy splatter
- Types of soils: Fat/grease
- Common food items that can soil your oven: Meat roasted at high temperatures

Case 2

- Soil pattern: Drops or spots
- Types of soils: Filling or sugar based soils
- Common food items that can soil your oven: Pies

Case 3

- Soil pattern: Drops or spots
- Types of soils: Cream or tomato sauce
- Common food items that can soil your oven: Casseroles

NOTE

- The Self Clean cycle can be used for soil that has been built up over time.

Setting Self Clean

The Self Clean function has cycle times of 3, 4, or 5 hours.

Self Clean Setting Guide

Oven Cavity Soil Level	Number Button	Cycle Time
Lightly Soiled	1	3 hr.
Moderately Soiled	2	4 hr.
Heavily Soiled	3	5 hr.

- 1 Remove all racks and accessories from the oven.
- 2 Press **Self Clean**. The oven defaults to the recommended four-hour Self Clean for a moderately soiled oven. Press **plus (+)** or **minus (-)** to select a self clean time from 3 to 5 hours.
- 3 Press **START**.
- 4 Once the Self Clean cycle is set, the oven door locks automatically and the lock icon  displays. You will not be able to open the oven door until the oven has cooled. The lock releases automatically when the oven has cooled.

CAUTION

- Do not force the oven door open when the lock icon is displayed. The oven door remains locked until the oven temperature has cooled. Forcing the door open will damage the door.
- Use care when opening the oven door after the Self Clean cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape. The oven may still be VERY HOT.

NOTE

- It may become necessary to cancel or interrupt a Self Clean cycle due to excessive smoke or fire in the oven. To cancel the Self Clean function, press **CLEAR/OFF**.

Removing/Assembling Lift-Off Oven Doors

Door Care Instructions

Most oven doors contain glass that can break.

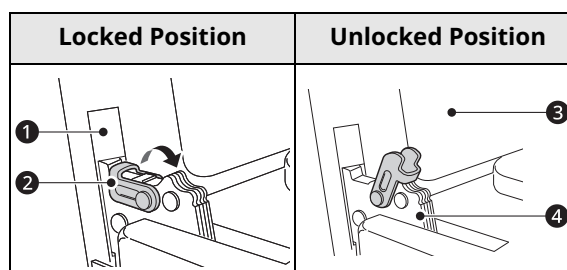
CAUTION

- Do not close the oven door until all the oven racks are fully in place.
- Do not hit the glass with pots, pans, or any other object.

- Scratching, hitting, jarring, or stressing the glass may weaken its structure causing an increased risk of breakage at a later time.

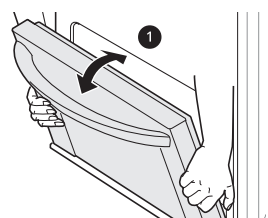
Removing Doors

- 1 Fully open the door.
- 2 Lift up the hinge lock  and flip it towards the hinge arm  completely.



- 1 Slot
- 2 Hinge Lock
- 3 Oven Frame
- 4 Hinge Arm

- 3 Firmly grasp both sides of the door at the top.
- 4 Partially close the door to approximately 5 degrees . If the position is correct, the hinge arms will move freely.



- 1 about 5°

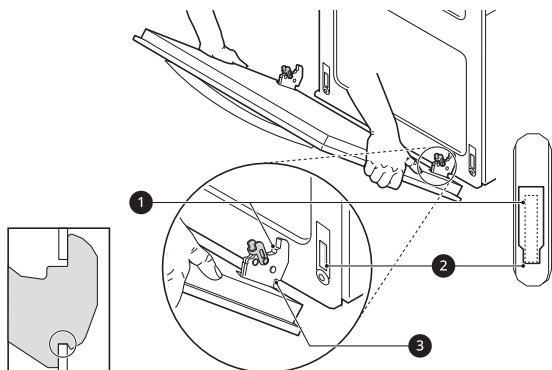
- 5 Lift and pull the door towards you until the hinge latches are completely loosened.

Assembling Doors

- 1 Firmly grasp both sides of the door at the top.

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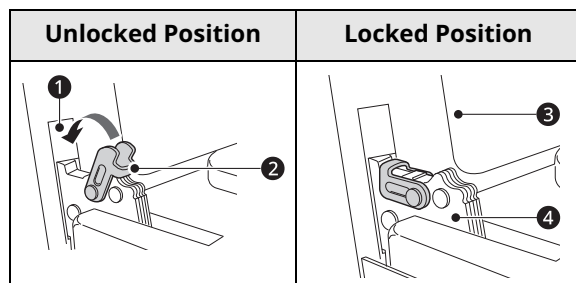
- 2** Fully insert the hinge arms **1** into the slots **2** until the indentations **3** on the hinge arms rest on the bottom edges of the slots.



- 1** Hinge Arm
2 Bottom Edge of Slot
3 Indentation

- 3** Slowly open the door fully. Make sure that the hinge arms are properly engaged in the slots.

- 4** Lift up the hinge lock **2** and flip it towards the oven **3** until it clicks into position.



- 1** Slot
2 Hinge Lock
3 Oven Frame
4 Hinge Arm

- 5** Close the oven door.

Removing/Assembling Drawers

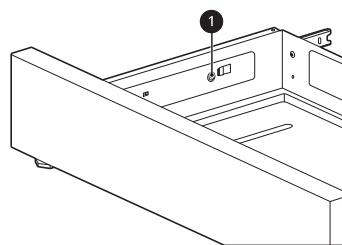
Removing Drawers

⚠ CAUTION

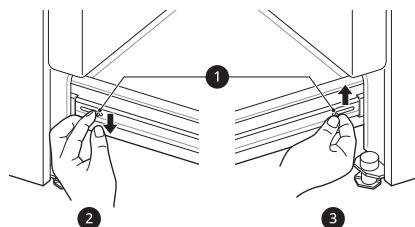
- Disconnect the electrical power to the range at the main fuse or circuit breaker panel. Failure to do so can result in severe personal injury, death, or electrical shock.

Most cleaning can be done with the drawer in place; however, the drawer may be removed if further cleaning is needed. Use warm water to thoroughly clean.

- 1** Fully open the drawer.
- 2** Unscrew the screw **1** on the side at the back of the drawer.



- 3** Locate the glide lever on each side of the drawer. Push down on the left glide lever and pull up on the right glide lever.



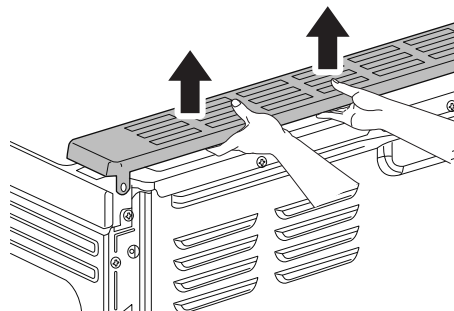
- 1** Lever
2 Push down with finger
3 Pull up with finger

- 4** Pull the drawer away from the range.

Assembling Drawers

- 1** Pull the bearing glides to the front of the chassis glide.

- 2 Align the glide on each side of the drawer with the glide slots on the range.
- 3 Push the drawer into the range until levers click (approximately 2 inches).
- 4 Insert and tighten the screws on the side at the back of the drawer.
- 5 Pull the drawer open again to seat the bearing glides into position.

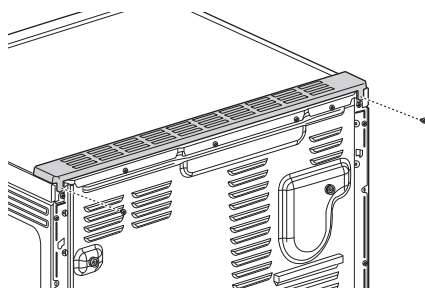


ENGLISH

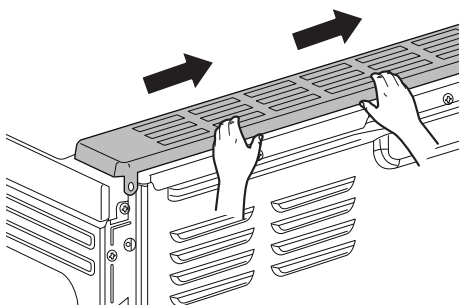
Removing/Assembling the Vent Trim

Removing the Vent Trim

- 1 Using a screwdriver, remove the two screws holding the vent trim in place.



- 2 Move the vent trim in the indicated direction approximately 1/4".



- 3 Lift the vent trim.

Assembling the Vent Trim

Assemble the vent trim in the reverse sequence of its removal.

Periodic Maintenance

Changing the Oven Light

The oven light is a standard 40-watt appliance halogen lamp. It turns on when the oven door is open. When the oven door is closed, press **Light** to turn it on or off.

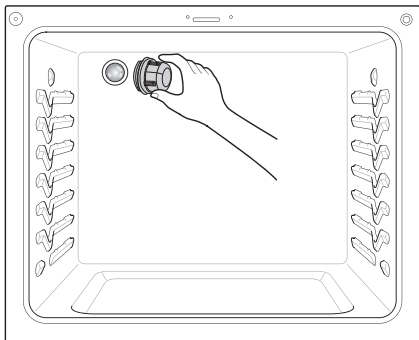
⚠ WARNING

- Make sure that the oven and lamp are cool.
- Disconnect the electrical power to the range at the main fuse or circuit breaker panel. Failure to do so can result in severe personal injury, death, or electrical shock.

- 1 Unplug the range or disconnect power.
- 2 Turn the glass lamp cover in the back of the oven counterclockwise to remove.
- 3 Remove the halogen lamp from the socket.
- 4 Insert the new halogen lamp.
- 5 Insert the glass lamp cover and turn it clockwise.

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- 6 Plug in the range or reconnect the power.



TROUBLESHOOTING

FAQs

Frequently Asked Questions

Q: What types of cookware are recommended for use with the cooktop?

- A:
- The pans must have a flat bottom and straight sides.
 - Only use heavy-gauge pans.
 - The pan size must match the amount of food to be prepared and the size of the surface element.
 - Use tight fitting lids.
 - Only use flat-bottom woks.

Q: Why do the heating elements appear to be turning ON and OFF during use of the cooktop or oven?

- A: Depending on your cooktop element setting or the temperature selected in your oven, it is normal for the cooking elements to cycle on and off.

Q: My new oven doesn't cook like my old one. Is there something wrong with the temperature settings?

- A: No. Your oven has been factory tested and calibrated. For the first few uses, follow your recipe times and temperatures carefully. If you still think your new oven is too hot or too cold, you can adjust the oven temperature yourself to meet your specific cooking needs. Refer to the Changing Oven Settings section in this manual for easy instructions on how to adjust your thermostat.

Q: Is it normal to hear a clicking noise coming from the back of my oven when I am using it?

- A: Your new range is designed to maintain a tighter control over your oven's temperature. You may hear your oven's heating elements click on and off more frequently on your new oven. This is normal.

Q: Why is the time flashing?

- A: This means that the product has just been plugged in, or that it has experienced a power interruption. To clear the flashing time, touch any button and reset the clock if needed.

Q: During convection cooking the fan stops when I open the door. Is that normal?

- A: Yes, this is normal. When the door is opened, the convection fan will stop until the door is closed.

Q: Can I use aluminum foil to catch drippings in my oven cavity?

- A: Never use aluminum foil to line the bottom or sides of the oven or the warming drawer (on some models). The foil will melt and stick to the bottom surface of the oven and will not be removable. Use a foil-lined sheet pan placed on a lower oven rack to catch drippings instead. (If foil has already melted onto the bottom of the oven, it will not interfere with the oven's performance.)

Q: Can I use aluminum foil on the racks?

- A: Do not cover racks with aluminum foil. Covering entire racks with foil restricts air flow, leading to poor cooking results. Use a sheet pan lined with foil under fruit pies or other acidic or sugary foods to prevent spills from damaging the oven finish.

CAUTION

- Foil may be used to wrap food in the oven or warming drawer, but do not allow the foil to come into contact with the exposed heating/broiling elements in the oven. The foil could melt or ignite, causing smoke, fire, or injury.

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Q: Can I leave my racks in the oven when running a Self Clean cycle? (On some models)

A: No. Although it will not damage the racks, it will discolor them and may make them hard to slide in and out during use. Remove all items from the oven before starting a Self Clean cycle.

Q: What should I do if my racks are sticky and have become hard to slide in and out?

A: Over time, the racks may become hard to slide in and out. Apply a small amount of olive oil to the sides of the racks. This will work as a lubricant for easier gliding.

Q: What should I do for hard to remove stains on my cooktop?

A: The cooktop should be cleaned after every use to prevent permanent staining. When cooking foods with high sugar content, such as tomato sauce, clean the stain off with a scraper while the cooktop is still warm. Use an oven mitt when scraping to prevent burns. Refer to the MAINTENANCE section of this owner's manual for further instruction.

Q: Why aren't the function buttons working?

A: Make sure that the range is not in Control Lock / Lockout mode. The lock  will show in the display if Control Lock / Lockout is activated. To deactivate Control Lock / Lockout, refer to the Control Lock / Lockout section. The unlock melody sounds and **Loc** appears in the display until the controls are unlocked. On models with Sabbath mode, make sure that the range is not in Sabbath mode. See the Sabbath Mode section of the manual for instructions.

Q: My range is still dirty after running the EasyClean cycle. What else should I do?

A: The EasyClean cycle only helps to loosen light soils in your oven range to assist in hand-cleaning of your oven. It does not automatically remove all soils after the cycle. Some scrubbing of your oven range is required after running the EasyClean cycle.

Q: I tried scrubbing my oven after running. EasyClean, but some soils still remain. What can I do?

A: The EasyClean feature works best when the soils are fully soaked and submerged in water before running the cycle and during hand-cleaning. If soils are not sufficiently soaked in water, it can negatively affect the cleaning performance. Repeat the EasyClean process using sufficient water.

- For models with Self Clean function:

Sugar-based and certain greasy soils are especially hard to clean. If some stubborn soils remain, use the Self Clean feature to thoroughly clean your oven.

Q: Soils on my oven walls are not coming off. How can I get the oven walls clean?

A: Soils on the side and rear walls of your oven range may be more difficult to fully soak with water. Try repeating the EasyClean process with more than the ¼ cup (2 oz or 60 ml) of spray recommended.

Q: Will EasyClean get all of the soils and stains out completely?

A: It depends on the soil type. Sugar-based and certain grease stains are especially hard to clean. Also, if stains are not sufficiently soaked in water, this can negatively affect cleaning performance.

- For models with Self Clean function:

If stubborn or built-up stains remain, use the Self Clean feature. Refer to the Self Clean section of your owner's manual.

Q: Are there any tricks to getting some of the stubborn soils out?

A: Scraping the soils with a plastic scraper before and during hand-cleaning is recommended. Fully saturating soils with water is also recommended.

- For models with Self Clean function:

Certain types of soils are harder to clean than others. For these stubborn soils, the Self Clean cycle is recommended. Consult the Self Clean section of your owner's manual for details.

Q: Is it safe for my convection fan or heater element to get wet during EasyClean?

- A: Yes. The convection fan or heater element may get a little wet during cleaning. However, direct spray onto the broil burner and heater elements is not necessary because these are self-cleaning during regular use.
- Q: Do I need to use all 1 ¼ cups (10 oz or 300 ml) of water for EasyClean?**
- A: Yes. It is highly recommended that 1 cup (8 oz or 240 ml) of water be sprayed or poured on the bottom and an additional ¼ cup (2 oz or 60 ml) of water be sprayed on walls and other soiled areas to fully saturate the soils for better cleaning performance.
- Q: I see smoke coming out of my oven range's cooktop vents during EasyClean. Is this normal?**
- A: This is normal. This is not smoke. It is actually water vapor (steam) from the water in the oven cavity. As the oven heats briefly during EasyClean, the water in the cavity evaporates and escapes through the oven vents.
- Q: How often should I use EasyClean?**
- A: EasyClean can be performed as often as you wish. EasyClean works best when your oven is LIGHTLY soiled from such things as LIGHT grease splatter and small drops of cheese. Please refer to the EasyClean section in your owner's manual for more information.
- Q: What is required for EasyClean?**
- A: A spray bottle filled with 1¼ cups (10 oz or 300 ml) of water, a plastic scraper, a non-scratch scrubbing pad and a towel. You should not use abrasive scrubbers such as heavy-duty scouring pads or steel wool.
- Q: How can I help keep children safe around the range?**
- A: Children should be supervised around the range whenever it is in use, and after use until surfaces have cooled. You can also use the Control Lock / Lockout feature to help prevent children from accidentally turning on the cooktop or oven. The Control Lock / Lockout feature disables most control panel buttons and the cooktop control knobs. On some models, it also locks the oven door. Consult the Control Lock / Lockout section of your owner's manual for details. (In models without a Self Clean option, the Control Lock / Lockout feature locks the controls but does not lock the oven door.)
- Q: Why isn't the Instaview working? (On some models only)**
- A: Level the range by adjusting the leveling legs with a wrench.

Before Calling for Service

Review this section before calling for service; doing so will save you both time and money.

Cooking

Problem	Possible Cause & Solution
Oven will not work	Plug on range is not completely inserted in the electrical outlet. Make sure electrical plug is plugged into a live, properly grounded outlet.
	A fuse in your home may be blown or the circuit breaker tripped. Replace the fuse or reset the circuit breaker.
	Oven controls improperly set. See the "Oven" section in the Operation chapter.
	Oven too hot. Allow the oven to cool to below locking temperature.

66 TROUBLESHOOTING

Problem	Possible Cause & Solution
Steam is exhausted through the oven vent.	Cooking foods with high moisture produces steam. This is normal.
Appliance does not operate.	Cord is not plugged in correctly. Make sure cord is plugged correctly into outlet. Check circuit breakers.
	Service wiring is not complete. Contact your electrician for assistance.
	Power outage. Check house lights to be sure. Call your local electric company for service.
	Sabbath mode is activated (on some models). 5b appears in the display and all function buttons are inactive. Press and hold the Settings button for 3 seconds or until 5b disappears from the display.
Oven smokes excessively during broiling.	Control not set properly. Follow instructions under Setting Oven Controls.
	Meat too close to the element. Reposition the rack to provide proper clearance between the meat and the element. Preheat broil element for searing.
	Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling.
	Insert on broiler pan wrong side up and grease not draining. Always place the grid on the broiler pan with ribs up and slots down to allow grease to drip into the pan.
	Grease has built up on oven surfaces. Old grease or food spatters cause excessive smoking. Regular cleaning is necessary when broiling frequently.
Food does not bake or roast properly	Oven controls improperly set. See the "Oven" section in the Operation chapter.
	Rack position is incorrect or the rack is not level. See the "Oven" section in the Operation chapter.
	Incorrect cookware or cookware of improper size being used. See the "Oven" section in the Operation chapter.
	Oven sensor needs to be adjusted. See the "Calibrating the Oven Temperature" section in the Operation chapter.
Food does not broil properly	Oven controls improperly set. Make sure you select the Broil mode properly.
	Improper rack position being used. See the Broiling Guide.
	Cookware not suited for broiling. Use broiling pan and grid.
	Aluminum foil used on the broiling pan and grid has not been fitted properly and slit as recommended. See the "Oven" section in the Operation chapter.
	In some areas the power voltage may be low. Preheat the broil element for 5-7 minutes. See the Broiling Guide.

Problem	Possible Cause & Solution
Oven temperature too hot or too cold	Oven sensor needs to be adjusted. See the "Calibrating the Oven Temperature" section in the Operation chapter.
Excessive smoking during a Self Clean cycle (On some models)	Excessive soil. Turn off the Self Clean function. Open the windows to rid the room of smoke. Wait until the Self Clean mode is cancelled. Wipe up the excess soil and reset the clean.
Burning or oily odor emitting from the vent	This is normal in a new oven. This will disappear in time. To speed the process, set a Self Clean cycle for a minimum of 3 hours. See the Self Clean section. (On some models)
Moisture collects on oven window or steam comes from oven vent	This happens when cooking foods high in moisture. This is normal.
	Excessive moisture was used when cleaning the window. Do not use excessive moisture when cleaning the window.

Parts & Features

Problem	Possible Cause & Solution
Range is not level.	Poor installation. - Place oven rack in center of oven. Place a level on the oven rack. Adjust leveling legs at base of range until the oven rack is level. - Be sure floor is level and strong and stable enough to adequately support range. - If floor is sagging or sloping, contact a carpenter to correct the situation.
	Kitchen cabinet alignment may make range appear unlevel. Be sure cabinets are square and have sufficient room for range clearance.
Cannot move appliance easily. Appliance must be accessible for service.	Cabinets not square or are built in too tightly. Contact builder or installer to make appliance accessible.
	Carpet interferes with range. Provide sufficient space so range can be lifted over carpet.
	Anti-tip device engaged. Uninstall the anti-tip device to move the range. Reengage the anti-tip device after pulling the range out for cleaning, service, or any other reason.
Surface units will not maintain a rolling boil or cooking is not fast enough.	Improper cookware being used. Use pans which are flat and match the diameter of the surface unit selected.
	In some areas, the power(voltage) may be low. Cover pan with a lid until desired heat is obtained.
Surface units do not work properly.	A fuse in your home may be blown or the circuit breaker tripped. Replace the fuse or reset the circuit breaker.
	Cooktop controls improperly set. Check to see the correct control is set for the surface unit you are using.

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Problem	Possible Cause & Solution
Surface unit stops glowing when changed to a lower setting.	The unit is still on and hot. This is normal.
Areas of discoloration on the cooktop	Food spillovers not cleaned before next use. See the "Glass-Ceramic Cooktop" section in the MAINTENANCE chapter.
	Hot surface on a model with a light-colored cooktop. This is normal. The surface may appear discolored when it is hot. This is temporary and will disappear as the glass cools.
Frequent cycling on and off of surface units	The element will cycle on and off to maintain the heat setting. This is normal.
Scratches or abrasions on cooktop surface	Coarse particles such as salt or sand between cooktop and utensils can cause scratches. Be sure the cooktop surface and bottoms of utensils are clean before using. Small scratches do not affect cooking and will become less visible with time.
	Cleaning materials not recommended for glass-ceramic cooktop have been used. See the "Glass-Ceramic Cooktop" section in the MAINTENANCE chapter.
	Cookware with rough bottom has been used. Use smooth, flat-bottomed cookware.
Metal marks	Scraping of metal utensils on cooktop surface. Do not slide metal utensils on cooktop surface. Use a glass-ceramic cooktop cleaning creme to remove the marks. See the "Glass-Ceramic Cooktop" section in the MAINTENANCE chapter.
Brown streaks or specks	Boilovers are cooked onto surface. Use a blade scraper to remove soil. See the "Glass-Ceramic Cooktop" section in the MAINTENANCE chapter.
Areas of discoloration on cooktop	Mineral deposits from water and food. Remove using a glass-ceramic cooktop cleaning creme. Use cookware with clean, dry bottoms.
Oven control beeps and displays any F code error.	Electronic control has detected a fault condition. Turn off the oven function you are using to clear the display and stop beeping. Reprogram oven. If fault recurs, record fault number and contact a service agent.
Oven control displays Sb/5b/S6/56 error code.	This code is not an error code. It indicates that the product's Sabbath mode 5b is activated. See the "Using the Sabbath Mode" section in the Operation chapter.
Displayed colon in the clock is flashing	This means that the product has just been plugged in, or that it has experienced a power interruption. This is normal. Reset the clock or press any button to stop the flashing.
CLEAN and door flash in the display (On some models)	The Self Clean cycle has been selected, but the door is not closed. Close the oven door.
Loc is on in the display when you want to cook (On some models)	The oven is locked because of the Control Lock / Lockout feature. Deactivate the Control Lock / Lockout feature.

Problem	Possible Cause & Solution
Oven light does not work.	It is time to replace the lamp or the lamp is loose. Replace or tighten lamp. See "Changing the Oven Light" section in this Owner's Manual.
Convection fan stops. (During Conv.Bake mode)	Convection fan stops during a convection bake cycle. It is done to allow for more even heating during the cycle. This is not a failure of the range and should be considered normal operation.
Fan operation (During Bake mode)	This is to ensure even baking results. It is normal for the fan to operate periodically throughout a normal bake cycle in the oven.
Oven will not Self Clean. (On some models)	The oven temperature is too high to set a Self Clean operation. Allow the range to cool and reset the controls.
	Oven controls improperly set. See the Self Clean section.
	A Self Clean cycle cannot be started if the oven Control Lock / Lockout feature is active. See the "Control Lock / Lockout" in "Changing Oven Settings" section.
Oven door does not open after a Self Clean cycle (On some models)	Oven is too hot. Allow the oven to cool below locking temperature.
	The control and door may be locked. Allow about one hour for the oven to cool after the completion of a Self Clean cycle. The door can be opened when the lock  is no longer displayed.
The oven is not clean after a Self Clean cycle (On some models)	Oven controls not properly set. See the Self Clean section.
	Oven was heavily soiled. Clean up heavy spillovers before starting the clean cycle. Heavily soiled ovens may need to Self Clean again or for a longer period of time.
Oven racks are difficult to slide (On some models)	The shiny, silver-colored racks were cleaned in a Self Clean cycle. Apply a small amount of vegetable oil to a paper towel and wipe the edges of the oven racks with the paper towel.

Noises

Problem	Possible Cause & Solution
"Crackling" or "popping" sound	This is the sound of the metal heating and cooling during both the cooking and Self Clean functions. This is normal.
Fan noise	A convection fan may automatically turn on and off. This is normal.
A chime sounds when surface elements are turned on.	When any cooktop burner is activated, a chime sounds to indicate the cooktop is in use. This is normal.

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Wi-Fi

Problem	Possible Cause & Solution
Trouble connecting appliance and smartphone to Wi-Fi network	The password for the Wi-Fi network was entered incorrectly. Delete your home Wi-Fi network and begin the connection process again.
	Mobile data for your smartphone is turned on. Turn off the Mobile data on your smartphone before connecting the appliance.
	The wireless network name (SSID) is set incorrectly. The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
	The router frequency is not 2.4 GHz. Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer.
	The appliance and the router are too far apart. If the appliance is too far from the router, the signal may be weak and the connection may not be configured correctly. Move the router closer to the appliance or purchase and install a Wi-Fi repeater.
	During Wi-Fi setup, the app is requesting a password to connect to the product (on certain phones). - Locate the network name which starts with "LG" under Settings > Networks. Note the last part of the network name. - If the network name looks like LGE_Appliance_XX-XX-XX, enter lge12345. - If the network name looks like LGE_Appliance_XXXX, enter XXXX twice as your password. For example, if the network name appears as LGE_Appliance_8b92, then you would enter 8b928b92 as your password. In this instance, the password is case sensitive and the last 4 characters are unique to your appliance.

LIMITED WARRANTY

USA

TERMS AND CONDITIONS

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

Should your LG Electric Range ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product ("You") and applies only when purchased lawfully and used within the United States including U.S. Territories.

Warranty Period	Scope of Warranty	HOW SERVICE IS HANDLED
One (1) year from date of original retail purchase	Parts and Labor (internal / functional parts only)	LG will provide, free of charge, all labor and in-home service to replace defective part(s).

- Replacement Products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement Products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Replaced Product or part(s) will be the property of LG.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

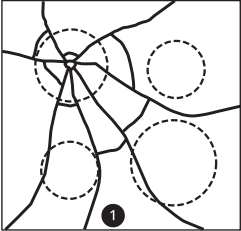
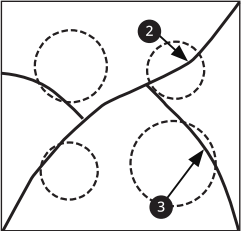
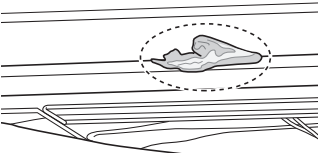
THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure of the Product caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage or failure of the Product resulting from operating the Product in a corrosive atmosphere or contrary to the Product owner's manual.
- Damage or failure of the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of nature, or any other causes beyond the control of LG.

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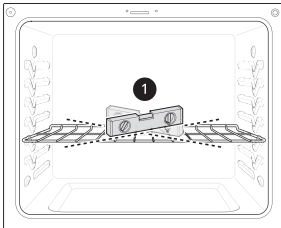
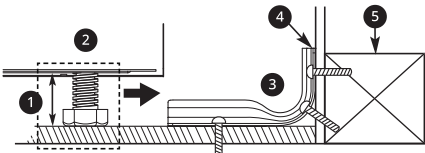
- Damage or failure of the Product caused by unauthorized modification or alteration, or if the Product is used for other than the intended purpose, or any water leakage where the Product was not properly installed.
- Damage or failure of the Product caused by incorrect electrical current, voltage, or plumbing codes.
- Damage or failure of the Product caused by transportation, storage, and/or handling, including scratches, dents, chips, and/or other damage to the finish of the Product, unless such damage is reported within one (1) week of delivery.
- Damage or failure of the Product resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes the use of parts not authorized by LG. Improper installation or maintenance includes installation or maintenance contrary to the Product owner's manual.
- Damage or failure of the Product caused by the use of parts, components, accessories, consumable cleaning products, or any other products or services that were not authorized by LG.
- Damage or missing items to any display or open box Product.
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility costs and additional utility expenses.
- Any noises associated with normal operation.
- Products used for other than normal and proper household use (e.g., commercial or industrial use) or contrary to the Product owner's manual.
- Costs associated with removal and reinstallation of the Product for repairs, or the removal and reinstallation of the Product if it is installed in an inaccessible location or not installed in accordance with the Product Owner's manual.
- Accessories, removable components, or consumable parts (e.g. Shelves, door bins, drawers, water/air filters, racks, light bulbs, batteries, etc., as applicable), except for internal/functional parts covered under this limited warranty.

Not Covered by this Limited Warranty

Problem	Possible Cause & Prevention
Cooktop crack	Cooktop crack caused by impact of object   A B • A: Out of warranty - ❶ Mechanical breakage • A: In warranty - ❷ Primary crack ❸ Secondary crack • DO NOT store heavy items above the cooktop surface as they could fall and damage it. • DO NOT scratch the cooktop or the cooktop could crack. • Clean the cooktop before and after using. NOTE • Damage caused after delivery (Not covered by warranty)
Cooktop enamel chipping off	Improper usage  A • Do not hit enamel cooktop.
Pitting of the cooktop glass	If not removed immediately, sugary spillovers (such as preserves, ketchup, tomato sauce, jellies, fudge, candy, syrups, or chocolate) or melted plastic or foil can cause surface pitting of the cooktop. (Not covered by warranty) • Remove the molten material IMMEDIATELY with a metal razor scraper. • For safety, wear an oven mitt or hot pad while scraping the hot surface.

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Problem	Possible Cause & Prevention
Unit has no power	1. House power turned off (power supply) - Check power at main board before calling for service. 2. Tripped breaker - Match power cord type and outlet type. 3. The power cord is not installed properly. - Properly install the power cord. A <NEMA 10-50> B <NEMA 14-50> - A: 3-WIRE HOOK UP - B: 4-WIRE HOOK UP ① Black ② White ③ Red ④ Outer wire ⑤ Center wire (neutral) ⑥ Black wire ⑦ Green ground wire ⑧ White wire (neutral) ⑨ Red wire ⑩ Ground strap ⑪ Remove ground strap
Oven or racks are stained after using aluminum foil	Aluminum foil has melted in the oven - Never cover the oven bottom or cover an entire rack with materials such as aluminum foil. - If the foil has already melted onto the oven, it will not affect the performance of the oven.

Problem	Possible Cause & Prevention
Surface is not level Oven is tipping	Range not leveled  • Check with installer first. • Use carpenter's level ❶ to check level. Anti-tip device not installed correctly  ❶ Approximately 0.65" (16.5 mm) ❷ Level both sides of range ❸ Screw must enter wood or concrete ❹ Anti-tip bracket ❺ Wall plate ❶ Use carpenter's level to check level. • Check with installer first.

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The cost of repair or replacement under these excluded circumstances shall be borne by You.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

Call 1-800-243-0000 and select the appropriate option from the menu.

Or visit our website at <http://www.lg.com>

Or by mail: LG Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632 USA. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the

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subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632 USA. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

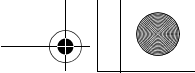
Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing <https://www.lg.com/us/support/repair-service/schedule-repair-continued> and clicking on "Find My Model & Serial Number").

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You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

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