APPENDIX H

: USER'S MANUAL

Scan to see the online manual.

OWNER'S MANUAL

ELECTRIC INDUCTION RANGE

Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

ENGLISH

LRIN6323*E

MFL68920597
Rev.00_080125

www.lg.com

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TABLE OF CONTENTS

4 IMPORTANT SAFETY INSTRUCTIONS

4 READ ALL INSTRUCTIONS BEFORE USE
- 4 Safety Messages
- 4 Anti-tip Device

5 WARNING
- 5 Installation
- 5 Operation
- 6 Maintenance
- 6 Risk of Fire and Flammable Materials

7 CAUTION
- 7 Operation
- 7 Maintenance

8 PRODUCT OVERVIEW

8 Product Features
- 8 Exterior & Interior
- 8 Product Specifications
- 9 Accessories

10 INSTALLATION

10 Before Installing
- 10 Installation Overview
- 10 Tools Needed
- 11 Parts
- 11 Unpacking and Moving the Range

13 Choosing the Proper Location
- 13 Electricity
- 13 Electrical Connection Requirements
- 13 Flooring
- 13 Ambient Temperature
- 14 Dimensions and Clearances

16 Leveling
- 16 Leveling the Range

17 Connecting Electricity
- 17 Electrical Requirements
- 18 Connecting the Power Cord / Conduit

22 Anti-tip Device
- 22 Installing the Anti-tip Device

23 Rubber Gaskets
- 23 Installing the Rubber Gaskets

23 Test Run
- 23 Test the Range Before Use

25 OPERATION

25 Control Panel
- 25 Control Panel Features
- 26 Knob Features

27 Changing Oven Settings
- 27 Clock
- 27 Oven Light
- 27 Timer On/Off
- 27 Wi-Fi
- 28 Settings (Hour Mode, Convection Auto Conversion, Calibrating the Oven Temperature, Preheat Alarm Light, Beeper Volume, Fahrenheit or Celsius, Wi-Fi On/Off, Cooktop on Alert Volume)
- 29 Control Lock
- 29 Start Time (Delayed Timed Cook)
- 30 Cook Time (Timed Cook)
- 31 Minimum & Maximum Default Settings

31 Cooktop
- 31 Precautions When Using the Cooktop
- 33 Cooking Areas
- 33 Benefits of Induction Surface Cooking
- 33 Induction Cookware
- 34 Cookware Placement
- 35 Pan Sensing
- 35 Minimum and Maximum Pan Size
- 36 Cookware Compatibility Indicator
- 36 Home Canning
- 37 Using the Cooking Elements
- 37 Recommended Surface Cooking Settings
- 37 Power Management

38 Oven
- 38 Before Using the Oven
- 38 Oven Vent
- 38 Using Oven Racks
- 39 Bake
- 39 Convection Mode
- 40 Recommended Baking and Roasting Guide
- 41 Broil
- 43 Recommended Broiling Guide
- 44 Air Fry

47 Recommended Air Frying Guide
48 Remote Start
48 Using the Sabbath Mode

50 SMART FUNCTIONS

50 LG ThinQ Application
50 LG ThinQ Application Features
50 Installing LG ThinQ Application and Connecting an LG Appliance
51 Installing the LG ThinQ Application
51 LG UP Feature
51 Connecting to Wi-Fi
52 Radio Equipment Specifications
52 FCC Statement
52 FCC RF Radiation Exposure Statement
52 Open Source Software Notice Information

52 Smart Diagnosis™ Feature
53 Using LG ThinQ to Diagnose Issues
53 Using Audible Diagnosis to Diagnose Issues

54 MAINTENANCE

54 Cleaning
54 Interior
54 Exterior
56 Cooktop Surface
58 EasyClean
61 Self Clean
63 Removing/Assembling Lift-Off Oven Doors
64 Removing/Assembling Drawers

65 Periodic Maintenance
65 Changing the Oven Light

66 TROUBLESHOOTING

66 FAQs
66 Frequently Asked Questions

68 Before Calling for Service
68 Cooking
70 Parts & Features
72 Noises
73 Wi-Fi

74 LIMITED WARRANTY

74 USA
74 TERMS AND CONDITIONS
74 THIS LIMITED WARRANTY DOES NOT COVER:
78 PROCEDURE FOR RESOLVING DISPUTES:

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Download this owner's manual at http://www.lg.com

Safety Messages

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

WARNING

You may be killed or seriously injured if you do not follow instructions.

CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

Anti-tip Device

To reduce the risk of tipping, the appliance must be secured by a properly installed anti-tip device. To check if the device is installed properly, verify that the anti-tip device is engaged, or grasp the top rear edge of the range back guard and carefully attempt to tilt it forward. Refer to the installation section for instructions.

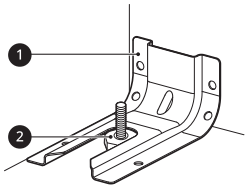
WARNING

- A child or adult can tip the range and be killed.

- Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged by following the guide on the anti-tip bracket template.
- Engage the range to the anti-tip device by following the guide on the anti-tip bracket template. Ensure the anti-tip device is re-engaged when the range is moved by following the guide on the anti-tip bracket template.
- Re-engage the anti-tip device if the range is moved. Do not operate the range without the anti-tip device in place and engaged.
- See installation instructions for details.
- Failure to do so can result in death or serious burns to children or adults.
- Do not rest large, heavy items such as whole turkeys on the open oven door. The range could tip forward and cause injury.

- Do not step or sit on the oven door. The range could be tipped and injury might result from spilled hot liquid, food, or the range itself.

- Never remove the oven legs. The range will not be secured to the anti-tip bracket if the legs are removed.



❶Anti-tip bracket

❷Leveling leg

WARNING

⚠ WARNING

- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Installation

- Do not line the oven walls, racks, bottom, or any other part of the oven with aluminum foil or any other material. Doing so will disrupt 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.)
- To eliminate the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5 inches beyond the bottom of the cabinets.
- Do not use aluminum foil or any other material to line the oven bottom. Improper installation of these liners may result in a risk of electric shock or fire.
- Make sure your range is properly installed and grounded by a qualified installer, according to the installation instructions. Any adjustment and service should be performed only by qualified range installers or service technicians.

Operation

- Do not leave children alone or unsupervised near the appliance when it is in use or is still hot. Children should never be allowed to sit or stand on any part of the appliance as they could be injured or burned.
- Children should not be allowed to play with controls or other parts of the appliance.
- DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN. Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch or let clothing or other flammable materials contact heating elements or interior surfaces of the oven until they have had sufficient time to cool. Other surfaces, such as oven vent openings and surfaces near these openings, oven doors, and windows of oven doors, also get hot and may cause burns if not cooled.
- Surface units may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns. During and after use, DO NOT TOUCH SURFACE UNITS OR AREAS NEAR UNITS or let clothing or other flammable materials contact surface units or areas near units until they have had sufficient time to cool. This includes the cooktop and the area above the oven door.
- Use care when opening the oven door. The hot air and steam that escape can cause burns to hands, face and eyes. Let hot air or steam escape from the oven before removing or replacing food in the oven.
- Do not use plastic to cover food. Use foil or oven-safe lids only.

- Never attempt to dry a pet in the oven.
- Never use your appliance for warming or heating the room.
- Always use pot holders or oven mitts when removing food from the oven or the surface element. Cookware will be hot. Use only dry pot holders. Moist or damp pot holders on hot surfaces may result in burns from steam. Do not let the pot holder touch hot heating elements. Do not use a towel or other bulky cloth to remove food.
- Do not heat unopened food containers. Pressure in the containers may cause them to burst which may result in injury.
- Be certain that all packing materials are removed from the appliance before operating. Keep plastic, clothes, paper, and other flammable materials away from parts of the appliance that may become hot.
- Do not allow aluminum foil to contact heating elements.
- Do not touch the hot surface between the bottom of the oven door and the top of the drawer on the front of the oven while the oven is in operation. The surface becomes hot and can cause burns and other injury.
- Do not touch the oven racks while they are hot.
- If a rack must be moved while the oven is hot, do not let the pot holder contact the hot heating element in the oven.
- Pull the oven rack to the stop-lock position when loading and unloading food from the oven. This helps prevent burns caused by touching hot surfaces of the door and oven walls.
- Do not use the oven if a heating element develops a glowing spot during use or shows other signs of damage. A glowing spot indicates the heating element may fail and present a potential burn, fire, or shock hazard. Turn the oven off immediately and have the heating element replaced by a qualified service technician.
- During oven operation, the upper surface of the drawer cavity becomes hot and may cause burns. Never allow children to remain unsupervised near the oven or cooktop.
- Do not put your hand inside the drawer while the oven is operating.
- Keep Oven Vent Duct Unobstructed. Areas near the vent may become hot during operation and may cause burns. Do not block the vent opening. Avoid placing plastics near the vent as heat may distort or melt the plastic.
- Never leave any items on the cooktop. The hot air from the vent may ignite flammable items and will increase pressure in closed containers, which may cause them to burst.

Maintenance

- Do not allow children to crawl into the oven.
- Let hot cookware and utensils cool in a safe place, out of reach of small children.
- If the door glass, cooktop glass, surface, or oven heating unit of the range are damaged, discontinue use of the range and call for service.
- Do not allow anyone to climb, stand or hang on the door, storage drawer or cooktop. They could damage the range and even tip it over, causing severe personal injury.
- Always disconnect power from the appliance before servicing.
- Before replacing the oven light, switch off the electrical power to the oven at the main fuse or circuit breaker panel. Failure to do so can result in severe personal injury, death, or electrical shock.
- Never pour cold water over a hot oven for cleaning. Doing so may cause the oven to malfunction.

Risk of Fire and Flammable Materials

- Do not store or use flammable material in the oven or near or on the cooktop. Flammable materials include paper, plastic, pot holders, linens, wall coverings, curtains, and gasoline or other flammable vapors and liquids such as grease or cooking oil. These materials can be ignited when the oven and cooktop are in use.

- Use extreme caution when moving or disposing of hot grease.
- Wear proper apparel. Do not wear loose-fitting or hanging garments, which may ignite if they contact hot surfaces, and cause severe burns.
- Do not use the oven for drying clothes. Only use the oven for its intended purpose.
- If cabinet storage is provided directly above the cooking surface, only use it to store items that are not frequently used and can be safely stored in an area subjected to heat. Temperatures may be unsafe for volatile items such as flammable liquids, cleaners or aerosol sprays.
- Do not use water on grease fires. Should an oven fire occur, leave the oven door closed and turn the oven off. If the fire continues, throw baking soda on the fire or use a fire extinguisher. Do not put water or flour on the fire. Flour may be explosive and water can spread a grease fire and cause personal injury.

CAUTION

⚠ CAUTION

- To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Operation

- Always heat fat slowly, and watch as it heats.
- If frying combinations of oils and fats, stir them together before heating.
- Use a deep fat thermometer, if possible, to prevent overheating fat beyond the smoking point.
- Use the least possible amount of fat for effective shallow or deep-fat frying. Filling the pan with too much fat can cause spillovers when food is added.
- Accessible parts may become hot when the broiler is in use.
- Do not place food or cookware on the bottom of the oven cavity. Doing so will cause permanent damage to the oven bottom finish.
- When using cooking or roasting bags in the oven, follow the manufacturer’s directions.

Maintenance

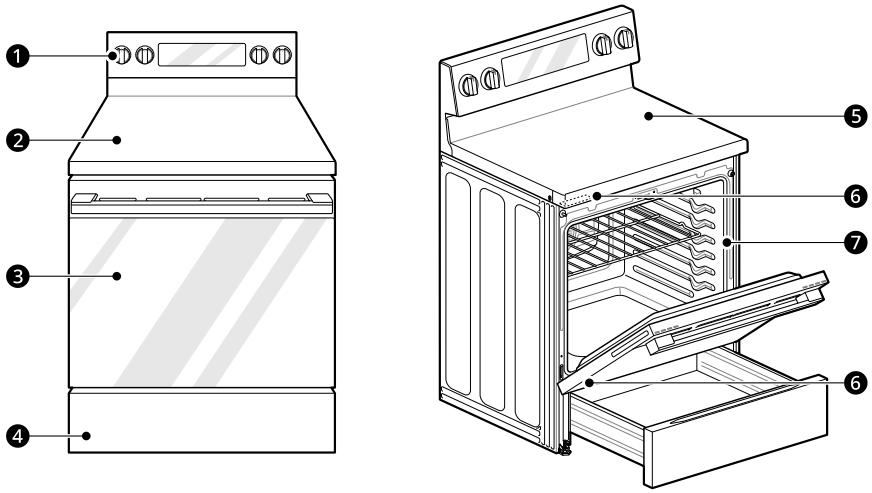
- Do not repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should be performed by a qualified technician.
- Do not use harsh etching, abrasive cleaners or sharp metal scrapers to clean the oven door glass because they can scratch the surface. Scratches may cause the glass to shatter.
- Make sure oven lights are cool before cleaning.
- Do not clean the door gasket. The door gasket is essential for a good seal. Care should be taken not to rub, damage, or move the gasket.
- Clean in the self-clean cycle only parts listed in this manual. Before self-cleaning the oven, remove the broiler pan, all oven racks and any cookware, utensils or food from the oven.
- Do not store items of interest to children in cabinets above a range or on the back guard of a range. Children climbing on the range to reach items could be seriously injured.

SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

Product Features

Exterior & Interior



❶ Cooktop Controller

❷ Cooktop

❸ Oven Door

❹ Storage Drawer

❺ Glass-ceramic Cooktop

❻ Model & Serial Number Plate (location may vary)

❼ Gasket

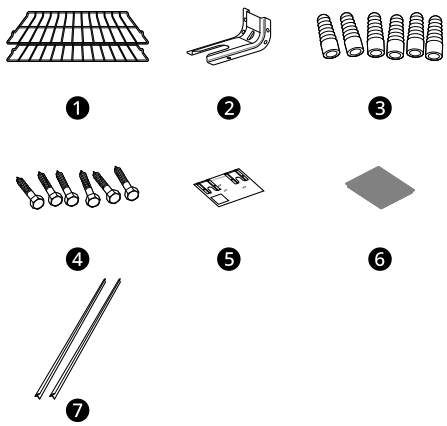
Product Specifications

The appearance and specifications listed in this manual may vary due to constant product improvements.

Oven Range Models	LRIN6323**
Description	Electric Oven Range
Electrical requirements	11.4 kW 120/240 VAC or 9.45 kW 120/208 VAC
Exterior Dimensions	29 7/8" (W) x 46 1/2" (H) x 26 3/4" (D) (D with door closed and excluding door handle) 76.2 cm (W) x 118.1 cm (H) x 68.0 cm (D) (D with door closed and excluding door handle)
Height to cooking surface	36" (91.3 cm)
Total capacity	6.3 cu. ft.

Accessories

Included Accessories



❶ Standard Rack (2 ea)

❷ Anti-tip Bracket (1ea)

❸ Anchor Sleeves (6 ea)

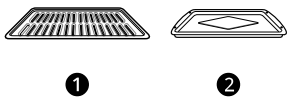
❹ Lag Bolts (6 ea)

❺ Template (1 ea)

❻ Air Fry Tray (1 ea)

❼ Rubber Gasket (2 ea)

Optional Accessories



❶ Grid

❷ Broiler Pan

NOTE

- Optional accessories are not included with the unit. These accessories are available for purchase on the www.lg.com web page.
- Contact LG Customer Service at 1-800-243-0000 (1-888-542-2623 in Canada) if any accessories are missing.
- For your safety and for extended product life, only use authorized components.
- The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased, unauthorized components or parts.
- The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

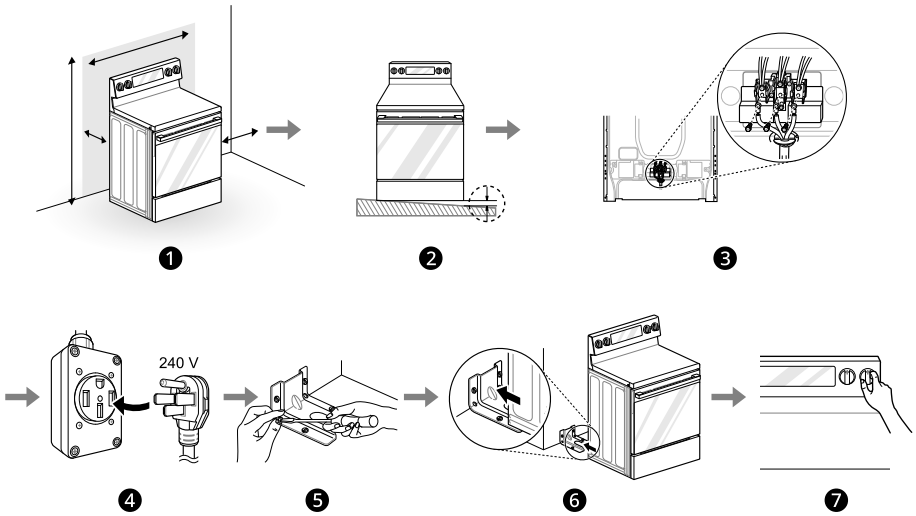
INSTALLATION

Before Installing

Installation Overview

Please read the following installation instructions first after purchasing this product or transporting it to another location.

The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.



❶ Check and choose the proper location

❷ Level the range

❸ Connect electric range (Only USA)

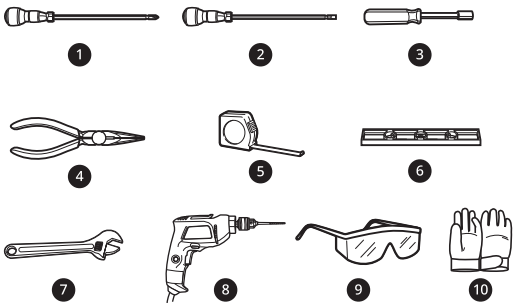
❹ Plug in the power cord

❺ Install anti-tip device

❻ Engage the anti-tip device

❼ Test run

Tools Needed



❶ Phillips Screwdriver

❷ Flat-blade Screwdriver

❸ 1/4" Nut Driver

❹ Pliers

❺ Tape Measure

❻ Level

❼ Adjustable Wrench

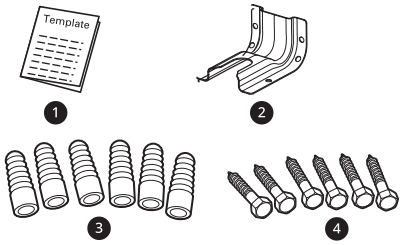
❽ Drill

❾ Safety Glasses

❿ Gloves

Parts

Parts Provided



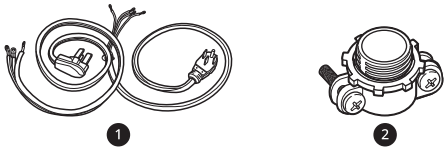
❶ Template (1 ea)

❷ Anti-tip Bracket Kit (1 ea)

❸ Anchor Sleeves (6 ea)

❹ Lag Bolts (6 ea)

Parts Not Provided



❶ 4-Wire Cord or 3-Wire Cord (UL approved 40 or 50 AMP)

❷ Strain Relief (for conduit installations only)

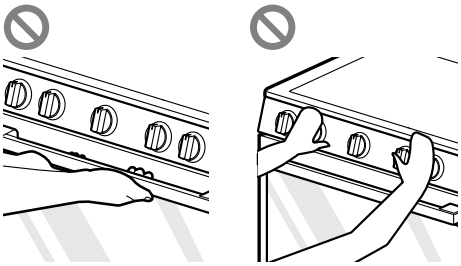
NOTE

- Observe all governing codes and ordinances.
- Have the installer show you the location of the circuit breaker or fuse. Mark it for easy reference.
- As when using any appliance generating heat, there are certain safety precautions you should follow.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.

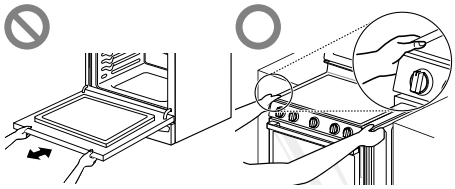
Unpacking and Moving the Range

⚠ WARNING

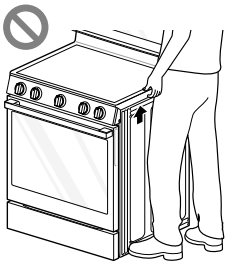
- You should use two or more people to move and install the range. (Excessive Weight Hazard) Failure to do so can result in back or other injury.
- Do not use the door handles or knobs to push or pull the range during installation or when moving the range out for cleaning or service. Doing so can result in serious damage to the range.



- Do not push or pull the range by grabbing the open oven door or cooktop only. Doing so can result in serious damage to the range.



- Do not lift the range using the cooktop or door handle. Doing so can cause damage and improper operation of the range.



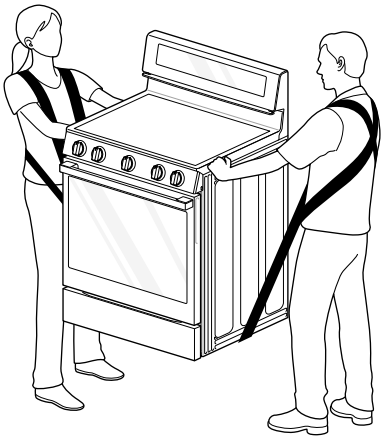
- To reduce the risk of burns, do not move this appliance while it is hot.

NOTE

- The image may differ from the actual model.

NOTE

- Your range is heavy and can be installed on soft floor coverings such as cushioned vinyl or carpeting. Use care when moving the range on this type of flooring. Use a belt when moving the range to prevent damaging the floor. Or slide the range onto cardboard or plywood to avoid damaging the floor covering.



- Remove packing material, tape and any temporary labels from your range before using. Do not remove any warning-type labels, the model and serial number label, or the Tech Sheet that is located on the back of the range.
- To remove any remaining tape or glue, rub the area briskly with your thumb. Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.
- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your range.

Choosing the Proper Location

Electricity

The range should always be plugged into its own individual properly grounded electrical outlet.

- This prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.
- It is recommended that a separate circuit serving only this appliance be provided.

Electrical Connection Requirements

The range must be installed in accordance with Local US or Canadian Electrical Codes (latest edition). See rating plate for total connected amp rating.

NOTE

- Only a range cord rated at 40 amps with 120/240 minimum volt range is required. If a 50 amp range cord is used, it should be marked for use with 1 $^{3}/_{8}$" diameter connection openings.

Flooring

CAUTION

- Use an insulated pad or 1/4 in. (0.64 cm) plywood under the range if installing the range over carpeting.

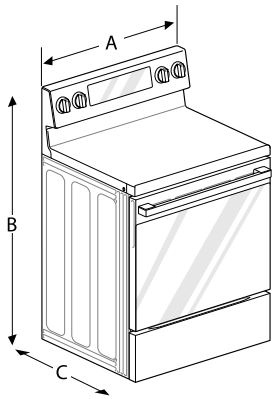
Ambient Temperature

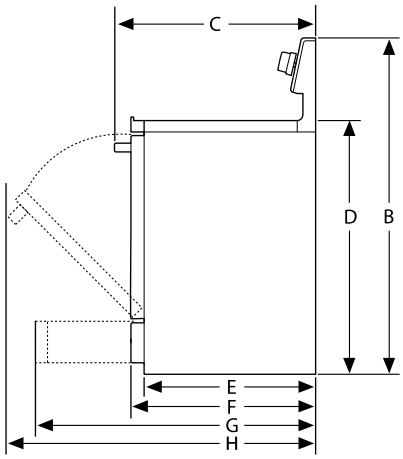
CAUTION

- Make sure wall coverings, countertops and cabinets around the range can withstand the heat (up to 194 °F) generated by the range. Discoloration, delamination or melting may occur. This range has been designed to comply with the maximum allowable wood cabinet temperature of 194 °F.
- Before installing the range in an area covered with linoleum or other synthetic floor covering, make sure the floor covering can withstand temperatures of at least 200 °F (93 °C).

Dimensions and Clearances

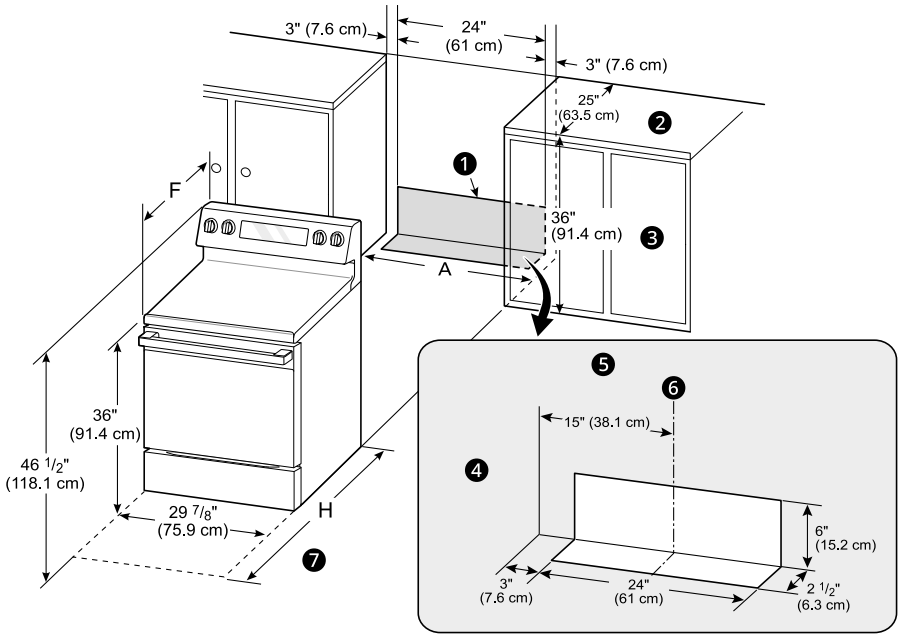
Dimensions





-	Dimensions	
A	Width	29 7/8" (759 mm)
B	Height	46 1/2" (1,181 mm)
C	Depth (Includes Door Handle)	29 1/8" (740mm)
D	Height (Excludes Controller)	36" (914 mm)
E	Depth (Includes only the product body that is loaded into the cabinet. Excludes door, drawer, and handles)	24 5/8" (627 mm)
F	Depth (Excludes Door Handle)	26 3/4" (680 mm)
G	Depth when drawer is fully opened	36 13/16" (935mm)
H	Depth when door is fully opened	49 13/16" (1,265 mm)

Clearances



❶ Acceptable electrical outlet area

❷ Normal counter top depth

❸ Counter top height

❹ Cabinet

❺ Wall

❻ Center

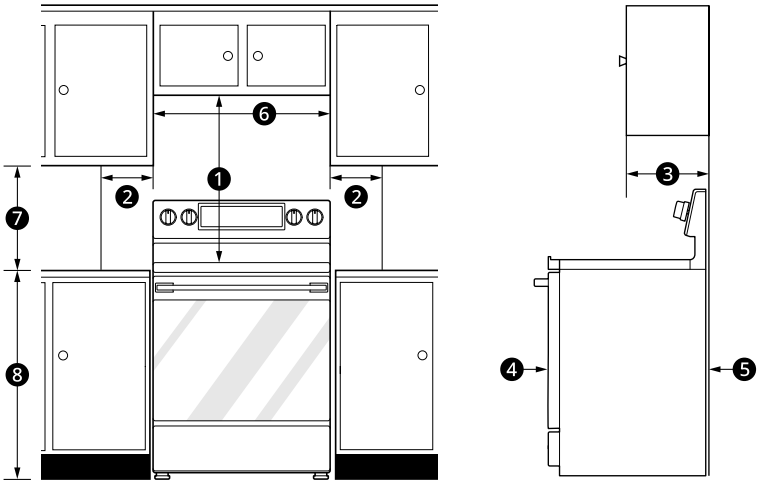
❼ Depth with door open

A (Cabinet opening)

= 30" (76.2 cm) For U.S.A

= 30" (76.2 cm) ~ 31" (78.7 cm) For CANADA

Minimum Dimensions



❶ Minimum distance from top of range to combustible surface overhead	30" (76.2 cm)
❷ Minimum clearance to left/right wall	5" (12.7 cm)
❸ Maximum depth for cabinets above countertops	13" (33.0 cm)
❹ Front edge of the range side panel forward from cabinet	2 1/4" (6.3 cm)
❺ To cabinets below cooktop and at the range back	0"
❻ Minimum opening in overhead cabinets	30" (76.2 cm)
❼ Minimum distance from countertop to overhead cabinets at side	15" (38.1 cm)
❽ Height of countertop	36" (91.4 cm)

NOTE

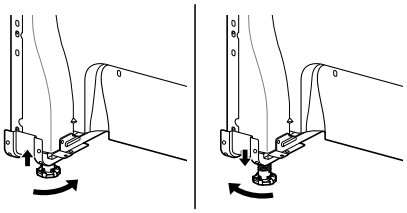
- ❶ 30" (76.2 cm) minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet; or 24" (60.9 cm) minimum when bottom of wood or metal cabinet is protected by not less than 1/4" (0.64 cm) flame retardant millboard covered with not less than no. 28 MSG sheet steel, 0.015" (0.381 mm) stainless steel, 0.024" (0.610 mm) aluminum or 0.020" (0.508 mm) copper.
- ❼ 15" (38.1 cm) minimum between countertop and adjacent cabinet bottom.
- Important – Save for the use of the local electrical inspector.
- For installation in Canada, a free-standing range is not to be installed closer than 15/32" (12 mm) from any adjacent surface.

Leveling

Leveling the Range

Level the range by adjusting the leveling legs with a wrench. Extending the legs slightly may also

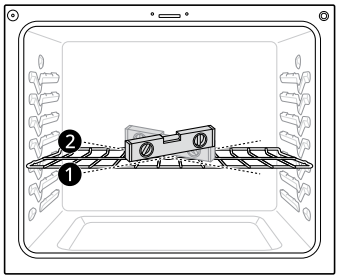
make it easier to insert the rear leg into the anti-tip bracket.



Checking Adjustments

1 Place a level diagonally on the oven rack, and check each direction for level.

- First check direction ❶. Then check direction ❷.



2 If the level doesn't show that the rack is level, adjust the leveling legs with a wrench.

Connecting Electricity

Electrical Requirements

This appliance must be installed and grounded on a branch circuit by a qualified technician in accordance with the National Electrical code ANSI/NFPA NO. 70 - latest edition.

All wiring should conform to local and NEC codes. This range requires a single-phase, 3 wire, AC 120/208 V or 120/240 V 60 Hz electrical system. Use only a 3-conductor or a 4-conductor UL - listed range cord with closed-loop terminals, open-end spade lugs with upturned ends or similar termination. Do not install the power cord without a strain relief.

A range cord rated at 40 amps with 120/240 V minimum range is required.

If a 50 amp range cord is used, it should be marked for use with 1 3/8" diameter connection openings. This appliance may be connected by means of a conduit or power cord. If a conduit is being used, refer to "3-Wire Connection: Conduit" or "4-Wire Connection: Conduit" sections.

⚠ WARNING

- Allow 2 to 3 ft (61.0 cm to 91.4 cm) of slack in the line so that the range can be moved if servicing is ever necessary.
- The power supply cord and plug should not be modified. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Using an extension cord to connect the power is prohibited. Connect the power cord and plug directly.
- Electrical ground is required on this appliance.
- Make sure that the power cord is not pinched by the range or heavy objects. Failure to do so can result in serious burns or electrical shock.

Specified Power Cord Kit Rating

Case 1

- Voltage: 120/240 volts (3-wire)
- Range rating: 8,750 W - 16,500 W
- Specified rating of power supply-cord kit, amperes: 40 A or 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/8"
  - Conduit: 1 1/8"

Case 2

- Voltage: 120/240 volts (3-wire)
- Range rating: 16,501 W - 22,500 W
- Specified rating of power supply-cord kit, amperes: 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/4"
  - Conduit: 1 3/8"

Case 3

- Voltage: 120/208 volts (3-wire)
- Range rating: 7,801 W- 12,500 W
- Specified rating of power supply-cord kit, amperes: 40 A or 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/8"
  - Conduit: 1 1/8"

Case 4

- Voltage: 120/208 volts (3-wire)
- Range rating: 12,501 W - 18,500 W
- Specified rating of power supply-cord kit, amperes: 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/4"
  - Conduit: 1 3/8"

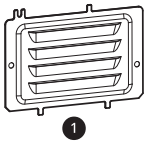
3, 4 - Wire Electrical Wall Receptacle

4 Wire receptacle (14-50R)

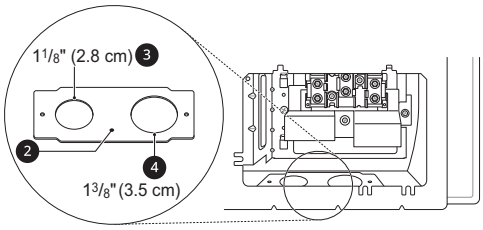
3 Wire receptacle (10-50R)

Connecting the Power Cord / Conduit

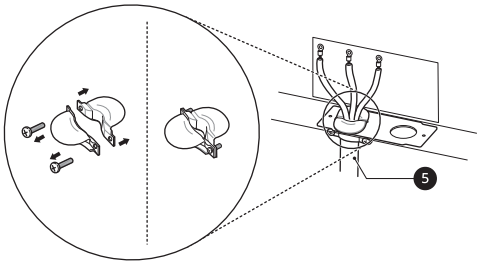
The rear access cover ❶ must be removed. Loosen the two screws with a screwdriver. The terminal block will then be accessible.



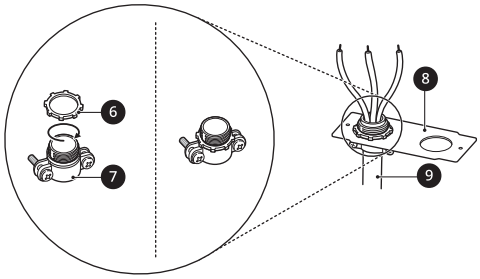
Use the cord/conduit connection plate ❷ to install the power cord or conduit. Leave the connection plate as installed for power cord installations. Remove the connection plate for conduit installations and rotate it to use the smaller 1 1/8 in. (2.8 cm) conduit hole ❸ instead of the 1 3/8 in. (3.5 cm) power cord hole ❹.



For power cord ❺ installations, hook the strain relief over the 1 3/8 in. (3.5 cm) power cord hole located below the rear of the oven. Insert the power cord through the strain relief and tighten it.



For conduit installations, insert the conduit strain relief in the 1 1/8 in. (2.8 cm) conduit hole. Then install the conduit through the body of the strain relief and fasten the strain relief with its ring.



❻ Ring

❼ Body

❽ Cord/Conduit Connection Plate

❾ Conduit

3-Wire Connection: Power Cord

⚠ WARNING

- The white middle (neutral or ground) wire of a 3-wire power cord or a 3-wire conduit has to be connected to the middle post of the main terminal block. The remaining two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

1 For power cord installations, hook the strain relief over the power cord hole (1 3/8") located below the rear of the oven.

2 Insert the power cord through the strain relief and tighten it.

CAUTION

- Do not install the power cord without a strain relief.

3 Remove the lower 3 screws from the terminal block and retain them.

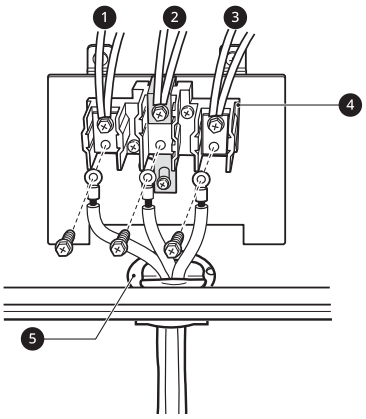
4 Insert the 3 screws through each power cord terminal ring and into the lower terminals of the terminal block.

- Make sure that the white center wire is connected to the center lower position of the terminal block.

5 Tighten the 3 screws securely into the terminal block.

CAUTION

- Do not remove the ground strap connections.



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Cord/Conduit Connection Plate

4-Wire Connection: Power Cord

WARNING

- Only a 4-conductor power-supply cord kit rated 120/240 volts, 50 amperes and marked for use with ranges with closed-loop connectors or opened spade lugs with upturned ends must be used. The white middle (neutral) wire of the power cord or 4-wire conduit has to be connected to the middle post of the main terminal block. The other two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. The 4th ground wire (green) must be connected to the frame of the range with the ground screw. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

1 For power cord installations, hook the strain relief over the power cord hole (1 3/8") located below the rear of the oven.

2 Insert the power cord through the strain relief and tighten it.

CAUTION

- Do not install the power cord without a strain relief.

3 Remove the lower 3 screws from the terminal block and retain them.

4 Remove the ground screw and bend the end of the ground strap up so the slot is over the hole of the center screw removed in step 3.

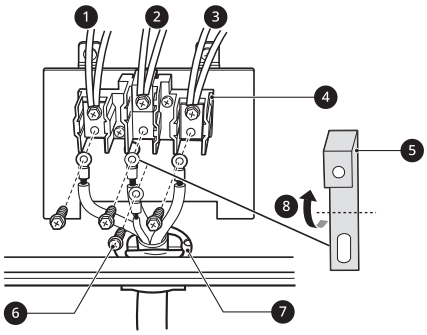
5 Insert the ground screw into the power cord ground wire (green) terminal ring and secure it to the range frame.

6 Insert the 3 screws through each power cord terminal ring and into the lower terminals of the terminal block.

- Make sure that the white center (neutral) wire is connected to the center lower position of the terminal block.

7 Tighten the 3 screws securely into the terminal block.

- The center screw now attaches the bent up ground strap to the block.



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Ground Strap

❻ Ground Screw

❼ Cord/Conduit Connection Plate

❽ Bend strap up and attach.

3-Wire Connection: Conduit

⚠ WARNING

- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

Conduit Installations

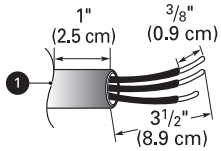
⚠ CAUTION

- Do not install the conduit without a strain relief.

1 Remove the cord/conduit connection plate from the rear of the oven and rotate it.

- The conduit hole (1 1/8") must be used.

2 Prepare the conduit wires as shown below.



❶ Cord/Conduit connection plate

3 Install the conduit strain relief.

1) Insert the strain relief in the 1 1/8 in. (2.8 cm) conduit hole.
2) Install the conduit through the body of the strain relief and fasten the strain relief with its ring.

NOTE

- For conduit installations, purchase a strain relief.

4 Reinstall the cord/conduit connection plate.

Conduit Connections

If the wire in the conduit is copper it must be 8 or 10 AWG wiring.

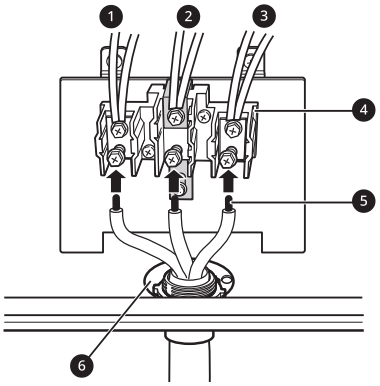
If the wire in the conduit is aluminum it must be 6 or 8 AWG wiring.

1 Loosen the lower 3 screws from the terminal block.

2 Insert the bare wire (white/neutral) end through the center terminal block opening. Do not remove the ground strap connections.

3 Insert the two side bare wire ends into the lower left and the lower right terminal block openings.

4 Tighten the 3 screws securely into the terminal block. (approximately 35 - 50 IN-LB)



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Wire Ends

❻ Conduit Connection Plate

4-Wire Connection: Conduit

⚠ WARNING

- The white middle (neutral) wire of the power cord or 4-wire conduit has to be connected to the middle post of the main terminal block. The other two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. The 4th ground wire (green) must be connected to the frame of the range with the ground screw. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

Conduit Installations

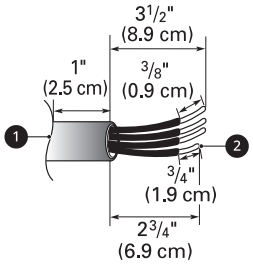
⚠ CAUTION

- Do not install the conduit without a strain relief.

1 Remove the cord/conduit connection plate from the rear of the oven and rotate it.

- The conduit hole (1 1/8") must be used.

2 Prepare the conduit wires as shown below.



❶ Cord/Conduit Connection Plate

❷ Ground Wire

3 Install the conduit strain relief.

1) Insert the strain relief in the 1 1/8 in. (2.8 cm) conduit hole.
2) Install the conduit through the body of the strain relief and fasten the strain relief with its ring.

NOTE

- For conduit installations, purchase a strain relief.

4 Reinstall the cord/conduit connection plate.

Conduit Connections

If the wire in the conduit is copper it must be 8 or 10 AWG wiring.

If the wire in the conduit is aluminum it must be 6 or 8 AWG wiring.

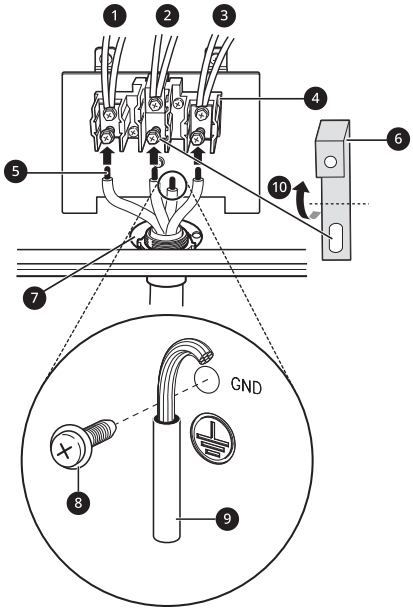
1 Loosen the 2 lower left and right screws from the terminal block. Remove the lower 2 center screws. Do not discard any screws.

2 Remove the ground screw and bend the end of the ground strap up so the slot is over the hole of the center screw removed in step 1.

3 Attach the ground (green) bare wire end to the range frame and secure it in place with the ground screw.

4 Insert the bare wire (white/neutral) end through the center terminal block opening. The center screw now attaches the bent up ground strap to the block.

5 Insert the two side bare wire ends into the left and the right terminal block openings. Tighten the 3 screws securely into the terminal block. (approximately 35 - 50 IN-LB)



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Wire Ends

❻ Ground Strap

❼ Conduit Connection Plate

❽ Ground Screw

❾ Ground Wire

❿ Bend strap up and attach.

Anti-tip Device

Installing the Anti-tip Device

Tip Hazard

⚠ WARNING

- A child or adult can tip the range and be killed.

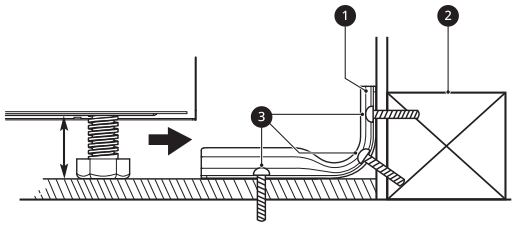
- Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged by following the guide on the anti-tip bracket template.
- Engage the range to the anti-tip device by following the guide on the anti-tip bracket template. Ensure the anti-tip device is re-engaged when the range is moved by following the guide on the anti-tip bracket template.
- Re-engage the anti-tip device if the range is moved. Do not operate the range without the anti-tip device in place and engaged.
- See installation instructions for details.
- Failure to follow these instructions can result in death or serious burns to children or adults.
- Range must be secured with an approved anti-tip device.
- The range could be tipped by standing, sitting or leaning on an open door if the range or anti-tip device is not properly installed.
- The use of this device does not preclude tipping of the range when not properly installed.

- After installing the anti-tip device, verify that it is in place by carefully attempting to tilt the range forward.
- This range has been designed to meet all recognized industry tip standards for all normal conditions.
- The installation of the anti-tip device must meet all local codes for securing the appliance.

Using the Anti-tip Bracket Template

- The anti-tip bracket is packaged with an installation template. The instructions include necessary information to complete the installation. Read and follow the range installation instruction sheet.

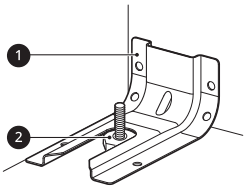
- Screws ❸ must enter wood or concrete.



❶ Anti-tip Bracket

❷ Wall Plate

Engaging the Anti-tip Device



❶ Anti-tip Bracket

❷ Leveling Leg

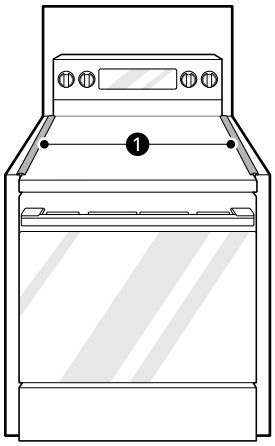
1 Slide the range against the wall, making sure the back leg slides into and engages the anti-tip bracket.

2 Check for proper installation by grasping the front edge of the cooktop and carefully attempting to tilt the range forward.

Rubber Gaskets

Installing the Rubber Gaskets

- Install one of the rubber gaskets provided on each side of the range between the range and the adjoining countertop.



❶ Rubber Gasket

Test Run

Test the Range Before Use

Check if the range is properly installed and run a test cycle.

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 Fill an induction-capable pot with water and place it on a surface element. Turn on the surface element. The water should heat. Repeat for all surface elements.

3 After checking all the surface heating elements, check the locking system by pressing **Control Lock** for three seconds. The oven controller should lock and the cooktop should not operate while the Control Lock function is turned on. Press **Control Lock** for three seconds to disable Control Lock.

4 Now check the oven's operation. Press **Bake**. 350 °F appears in the display. Press **START**.

5 The oven should finish preheating in 15 minutes, and the convection fan should operate while the oven is preheating.

6 After checking the oven's operation, turn the temperature up to 450 °F and leave the oven on for at least an hour to help remove any oil which might cause smoke and odors when first using the oven.

NOTE

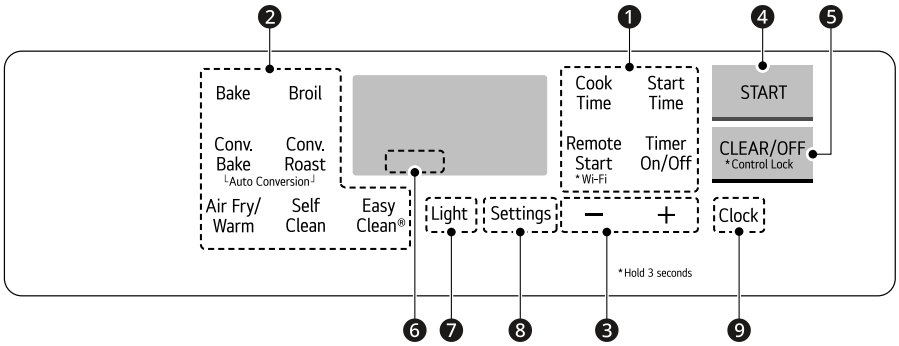
- Smoke may come out of the range when it is first used.

OPERATION

Control Panel

Control Panel Features

Model: LRIN6323**



❶ Features

❷ Oven Control

❸ +/- buttons

❹ **START**

❺ **CLEAR/OFF** / **Control Lock**

❻ **COOKTOP HOT** Indicator

❼ **Light**

❽ **Settings**

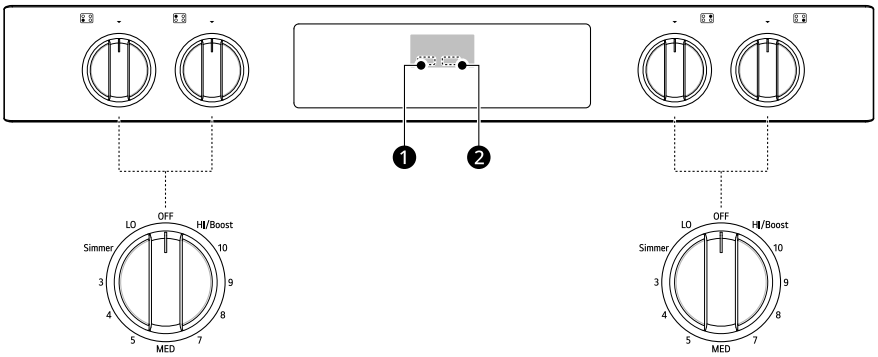
❾ **Clock**

NOTE

- The **COOKTOP HOT** indicator flashes in the display as long as any surface cooking area is too hot to touch. It remains on after the element is turned off and until the surface has cooled to approximately 150 °F. The **COOKTOP HOT** indicator also flashes during the self clean cycle.
- For best results, press buttons in the center, even when activating a button's secondary function. The buttons may not work properly if pressed too far from the center.

Knob Features

After cleaning the cooktop control knobs, make sure to replace each knob in the correct position. Failure to do so can result in improper operation of the burners.



❶ **Hot Surface** Indicator

❷ **Burner On** Indicator

Changing Oven Settings

Clock

The clock must be set to the correct time of day in order for the automatic oven timing functions to work properly.

1 Press **Clock**.

2 Press **plus (+)** or **minus (-)** buttons to set the time.

3 Press **START**.

NOTE

- The time of day cannot be changed during a timed baking or self-clean cycle (available on some models).
- To check the time of day when the display is showing other information, press **Clock**.
- If no other keys are pressed within 25 seconds of pressing **Clock**, the display reverts to the original setting.
- If the display time is blinking, you may have experienced a power failure. Reset the time.

Oven Light

The interior oven light automatically turns on/off when the door is opened and closed.

- Press **Light** button to manually turn the oven light on/off.

NOTE

- The oven light cannot be turned on if the Self Clean function is active.

Timer On/Off

The **Timer** serves as an extra timer in the kitchen that beeps when the set time has run out. It does not start or stop cooking.

The **Timer** feature can be used during any of the other oven control functions.

Setting the Timer

1 Press **Timer On/Off** button once to set the time in hours and minutes, or press the button twice to set the time in minutes and seconds. **Timer** or an icon flashes in the display.

2 Enter the desired length of time.
Use the **+/-** buttons.

3 Press **Timer On/Off** to start the Timer. The remaining time countdown appears in the display.

NOTE

- If **Timer On/Off** is not pressed, the timer returns to the time of day.

4 When the timer reaches 0:00, **End** shows in the display. The clock beeps every 15 seconds until **Timer On/Off** is pressed.

NOTE

- If the remaining time is not in the display, recall the remaining time by pressing **Timer On/Off**.

Canceling the Timer

1 Press **Timer On/Off** once.
The display returns to the time of day.

NOTE

- Pressing **CLEAR/OFF** will not turn off the timer.

Wi-Fi

The **Wi-Fi** button is used to connect the appliance to a home Wi-Fi network.

1 Press and hold **Remote Start** for 3 seconds.

2 The power on chime sounds, **SET** appears in the display, and the Wi-Fi icon (ᯤ) blinks.

3 Connect the appliance to the Wi-Fi network using the **LG ThinQ** smartphone application.

4 To disconnect the appliance from the network, delete it from the connected appliances in the application.

NOTE

- See the Smart Functions section in the owner's manual for more details.

Settings (Hour Mode, Convection Auto Conversion, Calibrating the Oven Temperature, Preheat Alarm Light, Beeper Volume, Fahrenheit or Celsius, Wi-Fi On/Off, Cooktop on Alert Volume)

Press the **Settings** button repeatedly to toggle through and change oven settings.

The **Settings** key allows you to:

- **set the hour mode on the clock (12 or 24 hours)**
- **enable/disable convection auto conversion**
- **adjust the oven temperature**
- **activate/deactivate the preheating alarm light**
- **set the beeper volume**
- **switch the temperature scale between Fahrenheit and Celsius**
- **activate/deactivate the Wi-Fi**
- **set the cooktop on alert volume**

Setting the Hour Mode

The control is set to use a 12-hour clock. To reset the clock to 24-hour mode, follow the steps below.

1 Press **Settings** button.

2 Press **+/-** to toggle between a 12-hour and 24-hour clock.

3 Press **START** to accept the change.

Setting Convection Auto Conversion

When **Conv. Bake** and **Conv. Roast** are selected, Convection Auto Conversion automatically converts the standard recipe temperature entered to a convection temperature by subtracting 25 °F / 14 °C. This auto-converted temperature shows on the display. For example, select **Conv. Bake**, enter 350 °F, and 325 °F shows on the display after preheat.

Convection Auto Conversion is enabled by default. To change the setting, follow these instructions.

1 Press **Settings** repeatedly until Auto appears in the display.

2 Press **+/-** button to switch Auto Conversion on or off.

3 Press **START** to accept the change.

Adjusting the Oven Thermostat

Your new oven may cook differently from the one it replaced. Use your new oven for a few weeks to become more familiar with it before changing the temperature settings. If after familiarizing yourself with the new oven, you still think that it is too hot or too cold, you can adjust the oven thermostat yourself.

- To begin, either raise or lower the thermostat 15 °F (8 °C). Try the oven with the new setting. If the oven still needs adjustment, raise or lower the thermostat again, using the first adjustment as a gauge. For example, if the adjustment was too much, raise or lower the thermostat 10 °F (5 °C). If the adjustment was not enough, raise or lower the thermostat 20 °F (12 °C). Proceed in this way until the oven is adjusted to your satisfaction.

1 Press **Settings** repeatedly until AdJU appears in the display.

2 Press or press and hold the **+/-** buttons until the desired number of degrees appears in the display.

3 Press **START** to accept the change.

NOTE

- This adjustment does not affect the broiling or Self Clean temperatures. The adjustment is retained in memory after a power failure. The oven temperature can be increased (+) or decreased (-) as much as 35 °F or 19 °C.

- Once the temperature is increased or decreased, the display shows the adjusted temperature until it readjusts.

Turning the Preheat Alarm Light On/Off

When the oven reaches its set-temperature, the preheating alarm light flashes 5 times or until the oven door is opened.

You can activate or deactivate the preheating alarm light.

1 Press **Settings** repeatedly until PrE appears in the display.

2 Press **+/-** to turn the light on/off.

3 Press **START** to accept the change.

Adjusting the Beeper Volume

1 Press **Settings** repeatedly until bEEP appears in the display.

2 Press **+/-** to select **Hi**, **Lo** or **OFF**.

3 Press **START** to accept the change.

Selecting Fahrenheit or Celsius

Set the oven temperature display to show either Fahrenheit (°F) or Celsius (°C) units. The oven defaults to Fahrenheit unless changed by the user.

1 Press **Settings** repeatedly until Un it appears in the display.

2 Press **+/-** to select **F** (Fahrenheit) or **C** (Celsius).

3 Press **START** to accept the change.

Turning the Wi-Fi On/Off

You can turn the Wi-Fi transmitter on the PCB on or off.

1 Press **Settings** repeatedly until **Wi-Fi** appears in the display.

88:88

2 Press **+/-** to turn the Wi-Fi transmitter on/off.

3 Press **START** to accept the change.

Adjusting Cooktop On Alert Volume

1 Press **Settings** repeatedly until CtOP appears in the display.

2 Press **+/-** to select **HI**, **OFF**.

3 Press **START** to accept the change.

Control Lock

The **Control Lock** feature automatically prevents most oven controls from being turned on.

1 Press and hold **CLEAR/OFF** for three seconds.

2 The lock melody sounds. The lock icon 🔒 appear in the display.

3 To deactivate the **Control Lock** feature, press and hold **CLEAR/OFF** for three seconds. The unlock melody sounds and the controls unlock.

Start Time (Delayed Timed Cook)

The automatic timer of the Delayed Timed Cook function turns the oven on and off at the time you select. This feature can be used with the **Bake**, **Conv. Bake**, **Conv. Roast** and **Self Clean** modes.

CAUTION

- Use caution with the Delayed Timed Cook features. Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is complete. Eating spoiled food can result in sickness from food poisoning.

Setting a Delayed Timed Cook

For example, to bake at 300 ℉ for 30 minutes and delay the start of baking until 4:30, first set the clock for the correct time of day.

1. Press **Bake**. 350 ℉ appears in the display.
2. Set the temperature:
   Press or press and hold the **+/-** buttons until the desired temperature appears in the display.
3. Press **Cook Time** and **+/-** buttons to set the baking time.
4. Press **Start Time**.
5. Set the start time:
   Use the **+/-** buttons to adjust the time displayed to match your desired start time.
6. Press **START**. A short beep sounds and **Timed Delay** and the start time appears in the display. The oven begins baking at the set start time.

NOTE

- To cancel the Delayed Timed Cook function, press **CLEAR/OFF** at any time.
- To change the cooking time, repeat steps 3 and 4 and press **START**.
- If the oven clock is set as a 12-hour clock, you can delay the cook time for 11 hours and 59 minutes. If the oven clock is set as a 24-hour clock, you can delay the cook time for 23 hours and 59 minutes.

The oven will continue to cook for the set amount of time and then turn off automatically. When the cooking time has elapsed:

- **End** and the time of day show in the display.
- The cook end indicator tone sounds every 60 seconds until **CLEAR/OFF** is pressed.

Cook Time (Timed Cook)

Set the oven to cook for a specific length of time using the Timed Cook feature. This feature can only be used with the **Bake**, **Conv. Bake**, **Conv. Roast**, **Air Fry** and **Broil** modes.

Setting a Cook Time Function

For example, to bake at 300 °F for 30 minutes, first set the clock to the correct time of day.

1. Press **Bake**. 350 °F appears in the display.
2. Set the temperature. Press **+/-** button.
3. Press **Cook Time**. **Timed** flashes in the display. **Bake** and 0:00 appear in the display.
4. Set the baking time: Press **+/-** button to set the baking time.
   - The baking time can be set for any amount of time between 1 minute and 11 hours and 59 minutes.
5. Press **START**.

NOTE

- To activate the Warm function at the end of the cook cycle, refer to the **Warm** section.

The oven will continue to cook for the set amount of time and then turn off automatically. When the cooking time has elapsed:

- **End** and the time of day show in the display.
- The cook end indicator tone sounds every 60 seconds until **CLEAR/OFF** is pressed.

Changing the Cook Time during Cooking

For example, to change the cook time from 30 minutes to 1 hour and 30 minutes during cooking:

1 Press **Cook Time**.

2 Change the baking time: Press **+/-** button.

3 Press **START** to accept the change.

Minimum & Maximum Default Settings

All of the features listed have a minimum and a maximum time or temperature setting that may be entered into the controls. An entry acceptance beep sounds each time a control button is pressed.

An entry error tone (two short tones) sounds if the entry of the temperature or time is below the minimum or above the maximum setting for the feature.

* Temperature if using auto conversion

Feature		Min. Temp. / Time	Max. Temp. / Time	Default
Clock	12 Hr.	1:00 Hr. / min.	12:59 Hr. / min.	
	24 Hr.	0:00 Hr. / min.	23:59 Hr. / min.	
Timer	12 Hr.	0:01 min. / sec.	11:59 Hr. / min.	
	24 Hr.	0:01 min. / sec.	11:59 Hr. / min.	
Cook Time	12 Hr.	0:01 Hr. / min.	11:59 Hr. / min.	
	24 Hr.	0:01 Hr. / min.	11:59 Hr. / min.	
Conv. Bake		300 ℉ / (*275 ℉)	550 ℉ / 285 ℃	350 ℉ (*325 ℉) / 12 Hr.
Conv. Roast		300 ℉ / (*275 ℉)	550 ℉ / 285 ℃	350 ℉ (*325 ℉) / 12 Hr.
Broil		Lo	Hi	Hi / 3 Hr.
Bake		170 ℉ / 80 ℃	550 ℉ / 285 ℃	350 ℉ / 12 Hr.
Warm				3 Hr.
Self Clean		3 Hr.	5 Hr.	4 Hr.
EasyClean				10 min.
Air Fry		300 ℉ / 150 ℃ 0:01 Hr. / min.	550 ℉ / 285 ℃ 11:59 Hr. / min.	400 ℉ / 205 ℃

NOTE

- Default cook mode times are without setting a cook time.

Cooktop

Precautions When Using the Cooktop

⚠ WARNING

Before Cooking

- Do not cook on a broken cooktop. If the cooktop is broken, cleaning solutions and spillovers may penetrate the broken cooktop and create a risk of electric shock. Contact a qualified technician immediately.
- Do not place or store flammable or heat sensitive items on the induction cooktop, even when the cooktop is not in use.

During Cooking

- Never leave hot cookware or utensils near the control panel, as the heat could damage the control panel.

WARNING

- Turn cookware handles inward so they don't extend over adjacent surface units. This reduces the risk of burns, ignition of flammable materials, and spillage due to unintentional contact with the cookware.
- Always place the pan in the center of the surface unit you are cooking on. Never leave surface units unattended at high heat settings. Proper contact of cookware to burner also will improve efficiency. Boilovers cause smoking and greasy spills that may catch on fire.

After Cooking

- Clean cooktop with caution. Do not use sponges or cloth to wipe spills on a hot cooking area. Use a proper metal scraper. If a wet sponge or cloth is used to wipe spills on a hot cooking area, it can cause steam burns. Some cleaners can produce noxious fumes if applied to a hot surface.
- Some cleaners can produce dangerous fumes if applied to a hot surface.

CAUTION

Before Cooking

- Do not use the glass cooktop surface as a cutting board.
- Do not turn surface units on before placing cookware.
- Place cookware on the cooking elements before turning on the induction cooktop.
- Do not store heavy items above the cooktop surface that could fall and damage it.
- Do not place sealed containers on the cooktop.

During Cooking

- Never cook directly on the glass. Always use cookware.
- Choose proper burner size.
  - For smaller pots and pans, use the smaller heating elements.
  - For larger pots and pans, use the larger heating elements.
- Select pans that have flat bottoms large enough to cover the heating elements. Using undersized pans exposes a portion of the heating element to direct contact and may result in a burn or fire hazard.
- Do not place metallic objects such as knives, forks, spoons, and lids on the induction cooktop surface; they can get hot.
- Use this appliance only for normal household use. It is not designed for commercial or industrial use.
- Never use the appliance to heat the room.
- Use caution when plugging electrical appliances into power outlets near the cooktop. Keep power cords from any contact with the cooktop or cookware.
- Overheated fat and oil can catch fire quickly. Never leave surface elements unattended when frying foods.
- Do not use the induction cooktop to heat aluminum foil, products wrapped in aluminum foil, or frozen foods packaged in aluminum cookware.
- Use caution when plugging electrical appliances into outlets near the cooktop to keep power cords away from the hot cooktop or cookware.
- Users with pacemakers and active heart implants must keep their upper body at a minimum distance of 1 ft (30 cm) from active induction cooking elements. If in doubt, consult the implant manufacturer or your doctor.

After Cooking

- Some cleaners can produce dangerous fumes if applied to a hot surface.
- Immediately clean spills on the cooking area to prevent a tough cleaning chore later.
- Do not use a steel-wool pad or scrub pad or abrasive cleaning pads. They can scratch the surface.
- After use, switch off the induction cooking element using its control. Do not rely on the pan sensor.

Pan Preheat Recommendations

Induction cooking may decrease the amount of time required to preheat cookware compared to cooking on a radiant element cooktop or gas surface burner.

Pay close attention to all food items while cooking on the cooktop or in the oven, and until all cooking processes are complete.

CAUTION

- Remember that induction surface cooking initially heats the cookware very quickly if the cookware does not contain food.

Noises during Cooktop Operation

- **Induction Sound**: The electronic processes involved with induction cooking create some unfamiliar background noises such as a slight buzzing sound. These noises are a normal part of the induction cooking process.
- **Cookware Vibration Sound**: Some cookware will buzz, depending on its construction or base material. The buzz may be more noticeable if the pan or its contents are cold or if the bottom of the pan is not flat. As the pan heats up, the noise will decrease. The noise will also decrease if the power level setting is reduced.
- **Cooling Fan Sound**: The fan may operate while the induction cooktop is in use to reduce the temperature of the product. The cooling fan may also operate after the cooktop is turned off.

NOTE

- When using the induction cooktop, operational noises are more noticeable while cooking in **Boost** mode. But very loud noises are not normal when induction cooking.

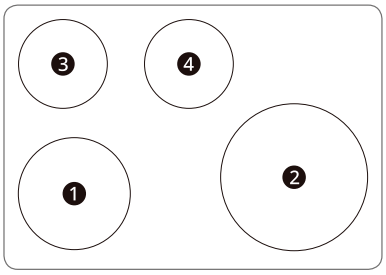
Hot Cookware and Residual Heat

⚠ CAUTION

- Unlike radiant surface elements, induction cooking elements do not glow red when hot. You can be burned if the glass surface is hot from the residual heat transferred from the cookware. Do not touch hot cookware or pans. Use oven mitts or potholders to protect hands from burns.

Cooking Areas

The cooktop is equipped with four induction cooking elements of different sizes. The wattage ratings below are maximum outputs. The second rating is the maximum output for Boost mode.



❶ Induction Left Front Cooking Element:

8", 2100 W / 3200 W (240 V)

❷ Induction Right Front Cooking Element:

11", 2400 W / 3900 W (240 V)

❸ Induction Left Rear Cooking Element:

6", 1300 W / 1800 W (240 V)

❹ Induction Center Rear Cooking Element:

6", 1300 W / 1800 W (240 V)

Benefits of Induction Surface Cooking

Speed and Efficiency

Induction cooking elements heat faster and use less energy. Induction power levels quickly boil liquids and are efficient when simmering.

A Cooler Cooktop

Whether induction cooking elements are turned on or off, they remain cooler than radiant elements. Virtually no heat is wasted because the heat begins with the presence of cookware.

Easy Cleanups

Cooler cooking elements make for easier cleaning. Spills resist sticking or burning so they wipe up easily.

Pan Size Detection

A sensor automatically detects and adapts the induction cooking element to the pan size in use for more consistent, even cooking.

Greater Responsiveness

Induction cooking elements are more responsive than their electric or gas counterparts because only the pan heats. Induction elements heat more easily and are just as responsive when reducing temperatures to a simmer.

Induction Cookware

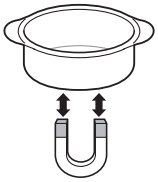
NOTE

- Before using the induction cooking elements, carefully read and follow these cookware recommendations and the instructions in the pan sensing sections.

When purchasing pans for use on the induction cooktop, look for cookware identified by the manufacturer as "induction ready" or "induction capable", or that is marked by the manufacturer as specifically designed for induction cooking.

Symbols of Induction Compatible Cookware	
iH	

The base material of the cookware must be magnetic for the cooking elements to activate. Use a magnet to check if the cookware base material is suitable. If the magnet sticks to the bottom of the cookware, the cookware can be used for induction cooking.



For the best possible surface cooking results, use only high-quality, heavy gauge steel cookware on the induction cooking elements. Follow manufacturer's recommendations when using induction cookware.

Induction Cookware Types

The three most common induction cookware types available are stainless steel, cast iron, and porcelain-enamel-coated metals.

- **Stainless Steel** is generally excellent for induction cooking. It is durable, easy to clean, and resists staining.

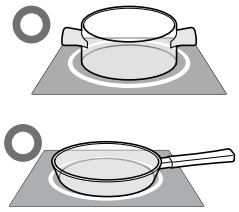
NOTE

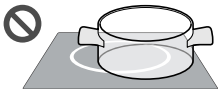
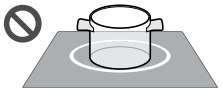
- Not all stainless steel cookware is magnetic; stainless steel is not always suitable for induction cooking.

- **Cast Iron** cooks evenly and is also good for induction cooking. Do not slide cast iron cookware on the cooktop; cast iron cookware with a rough surface will scratch the ceramic cooktop.
- **Porcelain-enamel-coated metals** have variable heating characteristics depending on the quality of the base metal. Make sure the porcelain-enamel coating is smooth to avoid scratching the ceramic cooktop.

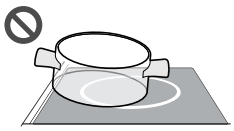
Cookware Placement

Use the proper cookware and place it correctly on the cooktop. One or more of the cooking elements will not heat if any of the incorrect conditions shown is detected by the sensors located below the ceramic cooktop surface. Correct the problem before attempting to use the cooktop.

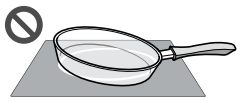
Correct Use	
	• Cookware is centered correctly on surface of cooking element. • Pan has flat bottom and straight sides. • Pan size meets or exceeds the recommended minimum size for the cooking element. • Pan rests completely on the cooktop surface. • Pan is properly balanced.

Incorrect Use	
	• Cookware is not centered on surface of cooking element.
	• Pan has curved or warped bottom or sides.
	• Pan does not meet the minimum size required for the cooking element used.

Incorrect Use



- Pan bottom rests on cooktop trim or does not rest completely on the cooktop surface.



- Pan is unbalanced by heavy handle.

Pan Sensing

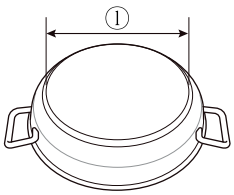
The cooking-element sensors located below the cooktop surface require certain cookware conditions to be met before the induction cooking elements can operate.

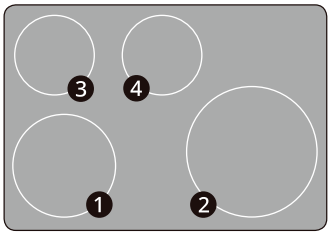
If a cooking element is activated and no cookware is detected, or the cookware does not meet the correct conditions, the cooking zone may not heat.

If the problem is not corrected, the affected cooking element will automatically deactivate after one minute.

Minimum and Maximum Pan Size

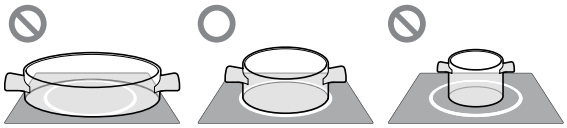
There are four cooking elements on the induction cooktop. Each element requires a appropriate pan size to be used effectively. The bottom size of the pan must be between the maximum and minimum diameter ① for proper cooking to occur.





Cooking Area	Heater		Diameter of Pan Bottom ①	
	Type	Size (inch)	Min.	Max.
❶	Induction	8	7.5 inch (190 mm)	9.2 inch (224 mm)
❷	Induction	11	9.5 inch (241 mm)	11.8 inch (300 mm)
❸	Induction	6	5.5 inch (140 mm)	7.0 inch (178 mm)
❹	Induction	6	5.5 inch (140 mm)	7.0 inch (178 mm)

The pan must make full contact with the glass surface without the bottom of the pan touching the metal cooktop trim.



If the correct induction cookware—centered on any of the active cooking elements—is too small, the pan does not heat.

Cookware Compatibility Indicator

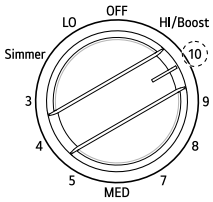
The cookware compatibility indicator shows how efficiently the cookware will heat on the induction cooktop elements.

1 Turn off all cooktop elements in use.

2 Put enough water in the cookware to cover the bottom. Place the cookware on the center of the desired cooktop element.

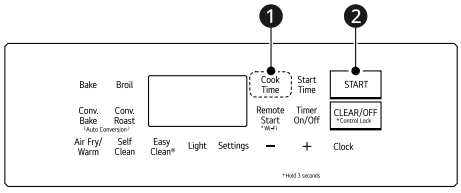
- Select an element that is appropriate for the size of the cookware.

3 Set the power level on the selected element to 10.



4 Press **Cook Time** ❶ and **START** ❷ at the same time for at least 3 seconds. The indicator is shown on the display for 5 seconds.

- If cookware is not detected, a tone will sound.



⚠ CAUTION

- Turn off all cooktop elements before starting to avoid getting a false result.
- The indicator is not available if more than two cooktop elements are in use.

NOTE

- The cookware compatibility indicator is based on the manufacturer's internal standards and is for reference only.
- The indicator may vary depending on the usage environment, power voltage and cookware temperature.
- The indicator may vary from element to element even for the same type of cookware.
- For efficient cooking, use cookware with an indicator of 9 or above.

Indicator	Compatibility
0 - 3	Low
4 - 8	Medium
9 - 10	High

- If the indicator is low, check the base material, size and shape of the cookware. Cookware with a low indicator, even if it has an IH mark, may heat less efficiently or make noise when heated. This is normal, and the cookware can still be used safely.

Home Canning

⚠ CAUTION

- Canning can generate large amounts of steam. Use extreme caution to prevent burns. Raise the lid so that steam is vented away from you. Safe canning requires that harmful micro-organisms are destroyed and jars are sealed completely. When using a water bath canner, maintain a gentle but steady boil for the required time.

Read and observe the following precautions when home canning. Read the information on the USDA (United States Department of Agriculture) website and follow the recommendations there for home canning procedures.

- Use only quality, flat-bottomed canners when home canning. Use a ruler to check the bottom of the canner for flatness.
- Canners with ridges that radiate from the bottom center are not suitable for use on a ceramic glass cooktop.
- The diameter of the canner should not exceed the maximum cooking element markings by more than one inch. Use smaller diameter canners on ranges with ceramic-glass or open-coil-electric cooktops.
- Start with hot tap water to boil water more quickly. Bring water to an initial boil using the highest heat setting. Once the water is boiling, reduce the heat as much as possible while maintaining the boil.
- It is best to can small amounts and keep the canner light enough to lift.

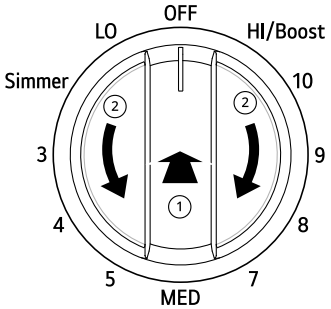
- Do not leave the water bath or pressure canner on high heat for extended periods.
- Alternate surface elements between each batch to allow the elements and surrounding surfaces to cool down. Do not can using the same element all day.

Using the Cooking Elements

Turning On Cooking Elements

1 Push the control knob in.

2 Turn the knob in either direction to select the desired setting. A short beep sounds.



Boost Power Level

Boost mode is only available immediately after activating a cooking element. When the cooking element is set to the **Boost** mode, the mode operates for up to 10 minutes. After 10 minutes, the cooking element automatically returns to the level10 setting.

Hot Surface Indicator

The hot surface indicator light glows as long as any surface cooking area is too hot to touch.

It remains on after the element is turned off and until the surface has cooled to approximately 130 °F.

It is normal for the surface elements to cycle on and off when cooking at lower temperature settings.

Recommended Surface Cooking Settings

Start most surface cooking on a higher setting and then adjust to a lower setting to finish cooking.

The suggested settings may need adjustments, depending on cookware design and quality and on the amount of food being prepared.

Use quality cookware that is constructed with a magnetic base material and that meets the minimum and maximum pan size requirements.

Setting	Recommended Use
HI/Boost	• Use to heat a large amount of food or to bring large pans of water to a boil
10-HI/ Boost	• Bring liquid to a boil • Start most cooking
MED-10	• Hold a rapid boil, fry, deep fat fry • Quickly brown or sear food • Steaks, cutlets, grilled meat
3-MED	• Maintain a slow boil • Fry or sauté foods • Cook soups, sauces and gravies • Eggs, pancakes
Simmer-3	• Stew or steam food • Simmer
Lo-Simmer	• Keep food warm • Melt chocolate or butter • Simmer

NOTE

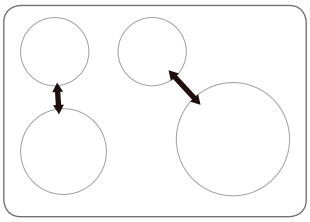
- Suggested cook settings are only a guide. Results may vary depending on the type of cookware being used on the induction surface or the quantity of food being cooked. Adjust the settings as needed to achieve the desired results.

Power Management

The cooking zones, which consist of paired cooking elements, are restricted to drawing a certain maximum amount of power.

If you turn on the Boost function for one element while its paired element is in use, the Power Management function may automatically reduce the power of both elements. For consistent

performance when using multiple elements, use elements in separate cooking zones.



NOTE

- If the combined heat of the oven and the surface burners is sufficiently high, the output of the surface burners is reduced to avoid damage to the product.
- Both elements in a set of paired elements cannot use the Boost mode at the same time. To use the Boost mode on two elements simultaneously, use non-paired elements.

Oven

Before Using the Oven

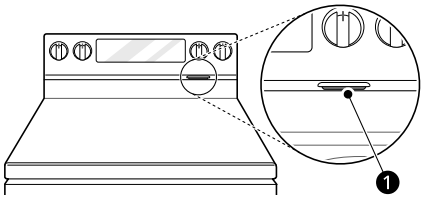
NOTE

- Because the oven temperature cycles, an oven thermometer placed in the oven cavity may not show the same temperature that is set on the oven.
- It is normal for the convection fan to run while preheating during a regular bake cycle.
- The convection fan motor may run periodically during a regular bake cycle.
- The fan turns off if the door is left open during baking. The fan turns back on automatically once the door is closed.
- Avoid opening the oven door more than necessary during use. This helps the oven maintain temperature, prevents unnecessary heat loss, and saves on energy use.

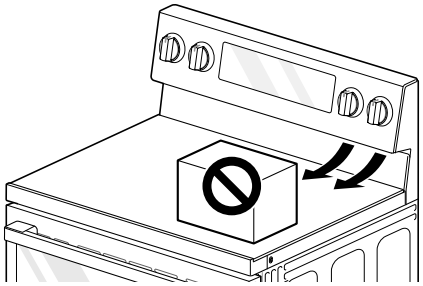
Oven Vent

Areas near the vent may become hot during operation and may cause burns. Do not block the vent opening. Avoid placing plastics near the vent as heat may distort or melt the plastic.

It is normal for steam to be visible when cooking foods with high moisture content.



❶ Oven Vent



⚠ CAUTION

- The edges of the range vent are sharp. Wear gloves when cleaning the range to avoid injury.

Using Oven Racks

The racks have a turned-up back edge that prevents them from being pulled out of the oven cavity.

⚠ CAUTION

- Replace oven racks before turning the oven on to prevent burns.
- Do not cover the racks with aluminum foil, or any other material, or place anything on the bottom of the oven. Doing so will result in poor baking and may damage the oven bottom.
- Only arrange oven racks when the oven is cool.
- Do not place objects heavier than 33 lb (15 kg) on the racks. Do not place heavy objects on the corners of the racks. Doing so can damage the racks.

Removing Racks

1 Pull the rack straight out until it stops.

2 Lift up the front of the rack and pull it out.

Replacing Racks

1 Place the end of the rack on the support.

2 Tilt the front end up and push the rack in.

Bake

Bake is used to prepare foods such as pastries, breads and casseroles.

The oven can be programmed to bake at any temperature from 170 °F (80 °C) to 550 °F (285 °C). The default temperature is 350 °F (175 °C).

Setting the Bake Function (For example, to bake at 375 °F)

1 Press **Bake**.

2 Use the **+/-** buttons to set the temperature.

3 Press **START**. The oven starts to preheat.

NOTE

- As the oven preheats, the temperature is displayed and rises in 5-degree increments. Once the oven reaches the set temperature, a tone sounds and the oven light blinks on and off.
- If the door is opened during baking, the bake burner turns off after 30 seconds. The burner turns back on automatically once the door is closed.

4 When cooking is complete, press **CLEAR/OFF**.

5 Remove the food from the oven.

NOTE

- It is normal for the convection fan to operate periodically throughout a normal bake cycle in the oven. This is to ensure even baking results.
- The convection fan may continue to run for a short time after the oven is turned off.

Baking Tips

- Baking time and temperature will vary depending on the characteristics, size, and shape of the baking pan used.
- Check for food doneness at the minimum recipe time.
- Use metal bakeware (with or without a nonstick finish), heatproof glass-ceramic, ceramic or other bakeware recommended for oven use.
- Dark metal pans or nonstick coatings will cook food faster with more browning. Insulated bakeware will slightly lengthen the cooking time for most foods.
- The oven bottom has a porcelain-enamel finish. To make cleaning easier, protect the oven bottom from excessive spillovers by placing a cookie sheet on the rack below the rack you are cooking on. This is particularly important when baking a fruit pie or other foods with a high acid content. Hot fruit fillings or other foods that are highly acidic may cause pitting and damage to the porcelain-enamel surface and should be wiped up immediately.

Convection Mode

The convection system uses a fan to circulate the heat evenly within the oven. Improved heat distribution allows for even cooking and excellent results while cooking with single or multiple racks.

Setting the Convection Function

(For example, cooking at 375 °F)

1 Press **Conv. Bake** or **Conv. Roast**. The display flashes 350 °F.

2 Use the **+/-** buttons to set the temperature.

3 Press **START**. The display shows **Conv. Bake** or **Conv. Roast** and the oven temperature starting at 100 °F.

- As the oven preheats, the display shows increasing temperatures in 5-degree increments. Once the oven reaches the set adjusted temperature, a tone sounds and the oven light flashes on and off. The display shows the auto-converted oven temperature.

4 When cooking has finished or to cancel, press **CLEAR/OFF**.

NOTE

- The oven fan runs while convection baking. The fan stops when the door is open. In some cases, the fan may shut off during a convection bake cycle.
- It's normal for there to be a delay before the convection fan turns on during a cook cycle.

Tips for Convection Baking

- Use Convection Bake for faster and more even multiple-rack cooking of pastries, cookies, muffins, biscuits, and breads of all kinds.
- Bake cookies and biscuits on pans with no sides or very low sides to allow heated air to circulate around the food. Food baked on pans with a dark finish will cook faster.
- When using Convection Bake, place the oven racks in positions suggested in the charts in this manual.
- Multiple oven rack cooking may slightly increase cook times for some foods.
- Cakes, cookies and muffins have better results when using multiple racks.

Tips for Convection Roasting

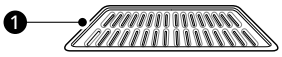
The Convection Roast feature is designed to give optimum roasting performance. Convection Roast combines cooking with the convection fan to roast meats and poultry. The heated air circulates around the food from all sides, sealing in juices and flavors. Foods are crispy brown on the outside while staying moist on the inside. Convection roasting is especially good for large tender cuts of meat, uncovered.

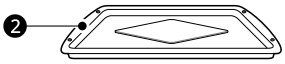
Use a broiler pan and grid when preparing meats for convection roasting. The broiler pan catches grease spills and the grid helps prevent grease splatters.

1 Place the oven rack in the recommended position.

2 Place the grid in the broiler pan.

3 Place the broiler pan on the oven rack.





❶ Grid (sold separately)

❷ Broiler pan (sold separately)

⚠ CAUTION

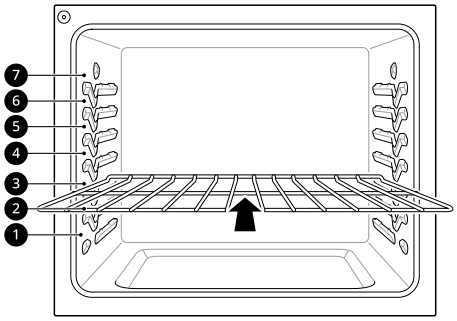
- Do not use a broiler pan without a grid.
- Do not cover the grid with aluminum foil.
- Position food (fat side up) on the grid.

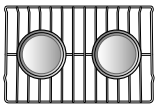
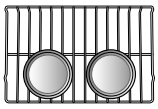
Recommended Baking and Roasting Guide

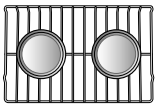
Baking results will be better if baking pans are centered in the oven as much as possible. If cooking on multiple racks, place the oven racks in the positions shown.

Multiple-rack cooking saves time and energy. Whenever possible, cook foods requiring the same cooking temperature together in one oven.

Rack and Pan Placement



Multiple rack baking	
	
Standard rack (Position 2)	Standard rack (Position 5)

Single rack baking

Standard rack

Baking Rack Guide

Food		Rack position
Cakes	Layer cakes Bundt cakes Angel food cake	2 3 3
Cookies	Sugar cookies Chocolate chips Brownies	4 4 4
Pizza	Fresh Frozen	3 3
Pastry Crust	From scratch Refrigerated	4 4
Breads	Biscuit, canned Biscuit, from scratch Muffins	5 5 4
Desserts	Fruit crisps and cobblers, from scratch Pies, from scratch, 2-crust fruit	4 4
Custards	Cheesecake, crème brulée	2
Soufflés	Sweet or savory	2
Casserole	Frozen lasagna	3

Roasting Rack Guide

Food			Rack position
Beef	Rib	Rare Medium Well done	2 2 2
	Boneless rib, top sirloin	Rare Medium Well done	2 2 2
	Beef tenderloin	Rare Medium	2 2
Pork	Rib		2
	Bone-in, sirloin		2
	Ham, cooked		2
Poultry	Whole chicken		2
	Chicken pieces		2
	Turkey		2

Broil

The Broil function uses intense heat from the upper heating element to cook food. Broiling works best for tender cuts of meat, fish, and thinly cut vegetables.

Some models may feature a hybrid broiler consisting of an inner broiler that utilizes a carbon heating element which provides instantaneous heat, and a traditional outer broiling element. During normal broiler operation, it is normal for either element to cycle off intermittently.

⚠ CAUTION

- Do not use a broiler pan without a grid. Oil can cause a grease fire.
- Do not cover the grid and broiler pan with aluminum foil. Doing so will cause a fire.
- Always use a broiler pan and grid for excess fat and grease drainage. This will help to reduce splatter, smoke, and flare-ups.
- When using your broiler, the temperature inside the oven will be extremely high. Take care to avoid possible burns by:
  - Keeping the door closed when broiling
  - Always wearing oven mitts when inserting or removing food items

NOTE

- This range is designed for closed-door broiling. Close the door to set the Broil function. If the door is open, the Broil function cannot be set and "door" appears on the display. Close the door and reset the Broil function. If the door is opened during broiling, the broil burner turns off after five seconds. The broiler turns back on automatically once the door is closed.

Setting the Oven to Broil

1. Press **Broil**. Press **Broil** repeatedly to switch between Hi and Lo.
2. Press **START**. The oven begins to heat.
3. Let the oven preheat for approximately five minutes before cooking the food if using **Broil**.
4. Place food in the oven.

5 Close the oven door. The oven door must be closed during broiling.

6 Press **CLEAR/OFF** to cancel at any time or when cooking is complete.

Tips for Reducing Smoke

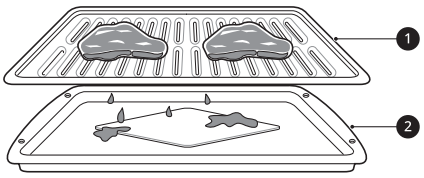
Due to the intense heat associated with broiling, it is normal to experience smoke during the cooking process. This smoke is a natural byproduct of searing and should not cause you to worry. If you are experiencing more smoke than you are comfortable with, use the following tips to reduce the amount of smoke in your oven.

- Always use a broiler pan. Do not use saute pans or regular baking sheets for safety reasons.
- The broiler pan should always be thoroughly cleaned and at room temperature at the beginning of cooking.
- Always run your cooktop ventilation system or vent hood during broiling.
- Keep the interior of your oven as clean as possible. Leftover debris from prior meals can burn or catch fire.
- Avoid fatty marinades and sugary glazes. Both of these will increase the amount of smoke you experience. If you would like to use a glaze, apply it at the very end of cooking.
- If you are experiencing significant smoke with any food item, consider:
  - Lowering the broiler to the **Lo** setting.
  - Lowering the rack position to cook the food farther away from the broiler.
  - Using the **Hi** broil setting to achieve the level of searing you desire, and then either switching to the **Lo** broil setting, or switching to the Bake function.
- As a rule, fattier cuts of meat and fish will produce more smoke than leaner items.
- Adhere to the guidelines in the **Recommended Broiling Guide** section whenever possible.

Recommended Broiling Guide

The size, weight, thickness, starting temperature, and your preference of doneness will affect broiling times.

This guide is based on meats at refrigerator temperature. For best results when broiling, use a pan designed for broiling.



❶ Grid (sold separately)

❷ Broiler pan (sold separately)

Food	Quantity and/or Thickness		Rack Position	First Side (min.)	Second Side (min.)	Comments
Hamburgers	9 patties $^1/_2$ to $^3/_4$" thick		7	3-6	2-4	Space evenly. Up to 9 patties may be broiled at once.
Beef Steaks	1" thick 1 to 1$^1/_2$ lbs.	Rare	7	3-5	2-4	Steaks less than 1" thick cook through before browning. Pan frying is recommended. Slash fat.
		Medium	7	4-6	2-4	
		Well done	7	5-7	3-5	
	1$^1/_2$" thick 2 to 2 $^1/_2$ lbs.	Rare	5	7-9	4-6	
		Medium	5	9-11	6-8	
		Well done	5	11-13	8-10	
Toast	1 to 9 pieces		7	0.5-1	0.5	
Chicken	1 whole, 2 to 2$^1/_2$ lbs., split lengthwise		5	8-10	4-6	Broil skin-side-down first.
	2 Breasts		5	8-10	5-7	
Lobster Tails	2–4 10 to 12 oz. each		5	9-12	Do not turn over	Cut through back of shell. Spread open. Brush with melted butter before broiling and halfway through broiling time.
Fish Fillets	$^1/_4$ to $^1/_2$" thick		6	2-4	2-4	Handle and turn very carefully. Brush with lemon butter before and during cooking, if desired.
Ham Slices (precooked)	$^1/_2$" thick		5	2-4	2-4	Increase time 5 to 10 minutes per side for 1 1/2" thick or home-cured ham.

Food	Quantity and/or Thickness		Rack Position	First Side (min.)	Second Side (min.)	Comments
Pork Chops Well done	2 ($^1/_2$" thick)		6	3-6	4-7	
	2 (1" thick) about 1lb.		5	5-8	5-8	
Lamb Chops	2 (1" thick) about 10 to 12 oz.	Medium	6	3-5	2-5	
		Well done	6	5-7	4-7	
	2 (1 $^1/_2$" thick) about 1lb.	Medium	6	7-9	7-9	
		Well done	6	9-11	7-9	
Salmon Steaks	2 (1" thick)		5	8-10	3-5	Grease pan. Brush steaks with melted butter.
	4 (1" thick) about 1 lb.		5	9-11	4-6	

- This guide is only for reference. Adjust cook time according to your preference.

NOTE

- The USDA advises that consuming raw or undercooked fish, meat, or poultry can increase your risk of food-borne illness.
- The USDA has indicated the following as safe minimum internal temperatures for consumption:
  - Ground beef: 160 °F (71.1 °C)
  - Poultry: 165 °F (73.9 °C)
  - Beef, veal, pork, or lamb: 145 °F (62.8 °C)
  - Fish / Seafood: 145 °F (62.8 °C)

Tips for Broiling

- **Beef**
  - Steaks and chops should always be allowed to rest for five minutes before being cut into and eaten. This allows the heat to distribute evenly through the food and creates a more tender and juicy result.
  - Pieces of meat that are thicker than two inches should be removed from the refrigerator 30 minutes prior to cooking. This will help them cook more quickly and evenly, and will produce less smoke when broiling. Cooking times will likely be shorter than the times indicated in the Broiling Chart.
  - For bone-in steaks or chops that have been frenched (all meat removed from around the bone), wrap the exposed sections of bone in foil to reduce burning.
- **Seafood**
  - When broiling skin-on fish, always use the Lo broil setting and always broil the skin side last.
  - Seafood is best consumed immediately after cooking. Allowing seafood to rest after cooking can cause the food to dry out.
  - It is a good idea to rub a thin coating of oil on the surface of the broiling pan before cooking to reduce sticking, especially with fish and seafood. You can also use a light coating of non-stick pan spray.
- **Vegetables**
  - Toss your vegetables lightly in oil before cooking to improve browning.

Air Fry

This feature automatically increases the entered temperature for optimal performance when using Air Fry.

The air fry function is specially designed for oil-free frying.

Setting the Air Fry Function

1 Press **Air Fry**. 400°F appears in the display.

2 Set the oven temperature (Range: 300°F ~ 550°F)
Use **+/-** buttons to enter the desired temperature.

3 Press **START**.

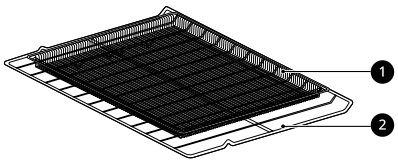
4 When cooking is complete, press **CLEAR/OFF** .

NOTE

- No preheating is required when using the Air Fry mode.
- If cooking multiple batches, the later batches may take less time to cook.
- Wet batters and coatings will not crisp or set when using the Air Fry mode.

Tips for Air Fry

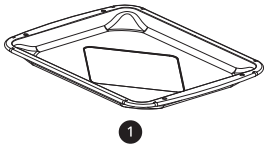
- For best results, use the provided air fry tray.
  - The mesh section of the air fry tray can be cleaned in a dishwasher.



❶ Air Fry Tray

❷ Standard Rack

- If you don't have the air fry tray, place food on a wire rack inside a foil-lined cookie pan.



❶ Broiler Pan

- For best results, cook food on a single rack placed in positions suggested in the chart in this manual.
- The mesh section of the air fry tray can be cleaned in a dishwasher.
- Spread the food out evenly in a single layer.
- Use either the optional air fry tray available from LG or a dark baking tray with no sides or short sides that does not cover the entire rack. This allows for better air circulation.
- If desired, spray the baking tray or air fry tray with a pan spray. Use an oil that can be heated to a high temperature before smoking, such as avocado, grapeseed, peanut or sunflower oil.
- Place a foil-lined baking tray on a rack in position 2 to catch the oil falling from the food. For high-fat foods like chicken wings, add a few sheets of parchment paper to absorb the fat.
- Check food often and shake it or turn it over for crisper results.
- Prepared frozen foods may cook faster with the Air Fry mode than stated on the package. Reduce the cooking time by about 20 percent, check food early, and adjust cooking time as needed.
- Use a food thermometer to make sure food has reached a safe temperature for consumption. Eating undercooked meats can increase your risk of food-borne illness.
- For the crispiest results, dredge fresh chicken wings or tenders in seasoned flour. Use 1/3 cup flour for 2 pounds.

Recommendations When Air Frying High-Fat Foods

Foods high in fat will smoke when using the Air Fry mode. For best results, follow these recommendations when air frying foods that are high in fat, such as chicken wings, bacon, sausage, hot dogs, turkey legs, lamb chops, ribs, pork loin, duck breasts, or some plant-based proteins.

⚠ CAUTION

- Never cover slots, holes, or passages in the oven bottom or cover entire racks with materials such as aluminum foil. Doing so blocks airflow through the oven and can result in carbon monoxide poisoning. Aluminum foil can also trap heat, causing a fire hazard or poor oven performance.

- Turn on your exhaust hood at a high fan setting before you start Air Fry and leave it on for 15 minutes after you're done.
- Open a window or sliding glass door, if possible, to make sure the kitchen is well-ventilated.
- Clean the grease filters on your exhaust hood regularly.
- Keep the oven free from grease buildup. Wipe down the interior of the oven before and after air frying (once the oven has cooled).

- Run oven cleaning cycles (**EasyClean** or **SelfClean**) regularly, depending on how often and what types of food you **Air Fry**.
- Avoid opening the oven door more than necessary to help maintain the oven temperature, prevent heat loss, and save energy.
- Air-frying fresh chicken pieces such as wings or drumsticks with the skin left on can produce smoke as the fat renders at high temperatures. If the smoke is excessive, use the Convection Roast mode instead of Air Fry.

Recommended Air Frying Guide

- Arrange food evenly in a single layer.
- Put a foil-lined baking pan on a rack in position 1 to catch drips. If needed, add parchment paper to absorb oil and reduce smoking.
- Flip food over during cooking to avoid burning it.

† High-fat items may produce more smoke when cooked using Air Fry. For less smoke, cook using Convection Roast mode.

Recommended Items	Quantity (oz)	Temp. (°F)	Rack Position	Time	Guide
POTATOES-Frozen					
Frozen French Fries (Shoestring)	20	425	4	20-30	
Frozen French Fries (Crinkle cut, 3/8" or 10 mm)	35	425	4	25-35	
Frozen Sweet Potato Fries	25	425	4	20-35	
Frozen Tater Tots	50	450	4	22-32	
Frozen Hash Browns	40	450	4	25-35	
POTATOES-Fresh/Homemade					
Homemade French Fries (3/8" x 3/8" or 10 x 10 mm)	25	450	4	27-37	Cut the potatoes and soak for 30 minutes in hot tap water. Drain and pat dry. Brush or lightly spray with 3 tbsp. of oil. Add salt and pepper to taste.
Homemade Potato Wedges	60	450	4	30-40	
CHICKEN-Frozen					
Frozen Chicken Nuggets, Crispy	30	425	4	15-25	
Frozen Chicken Strips	35	425	4	30-40	
Frozen Hot Wings, Bone-in	50	425	4	30-40	
CHICKEN-Fresh, Skin on					
Fresh Chicken Wings†	40	450	4	30-35	Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste.
Fresh Chicken Drumsticks†	70	450	4	35-45	
Thighs	40	450	4	30-35	
Breasts	40	450	4	30-35	
OTHER					
Frozen Onion Rings, Breaded	20	425	4	20-30	
Frozen Spring Rolls (0.7 oz each)	45	425	4	25-35	

Recommended Items	Quantity (oz)	Temp. (°F)	Rack Position	Time	Guide
Thin Sausage†(2.5 oz each, diameter 0.8")	90	425	4	25-35	
Frozen Coconut Shrimp	25	425	4	30-40	Brush or lightly spray the surface of food with oil.
Fresh Scallops on the half shell (35.3 oz)	35	425	4	20-30	Melt 4 tbsp. of butter and brush on scallops. Mix 1/2 cup bread crumbs, 1 tbsp. minced garlic, 1/4 cup grated parmesan cheese and season to taste. Sprinkle mixture over scallops.
Fresh Shrimp	50	425	4	25-35	
Mixed Vegetables	35	450	4	17-28	Brush or lightly spray with 4 tbsp. of olive oil. Add salt and pepper to taste.

Remote Start

This feature starts preheating and maintains the temperature for up to 12 hours (including preheating time). The appliance must be connected to a home Wi-Fi network to use Remote Start. Once Remote Start is selected on the appliance, you can start or stop it remotely using the **LG ThinQ** smartphone application. Follow the instructions in the Smart Functions section to connect the appliance to the network.

Setting Remote Start

1. Open the oven door to make sure the oven is ready for pre-heating. Close the oven door.
2. The product must be connected to Wi-Fi to use the Remote Start function.
3. Once Wi-Fi is connected, press the **Remote Start** button.
4. Follow the instructions in the smartphone app to set the cook mode, temperature, and run time (preheating time plus holding time).
5. Press the **Remote Start** button repeatedly to turn the Remote Start function On/Off.

NOTE

- Remote Start may not start if
  - The appliance is not connected to the Wi-Fi network and/or **OFF** appears in the display.
  - Remote Start is not set up in the smartphone app.
  - The oven door is open. If the oven door is open, a short beep sounds.
  - Control Lock is ON.
  - Sabbath Mode is ON.
  - When setting the oven or cooking functions on the product.

Using the Sabbath Mode

Sabbath mode is typically used on the Jewish Sabbath and Holidays. When the Sabbath mode is activated, the oven does not turn off until the Sabbath mode is deactivated. In Sabbath mode, all function buttons are inactive. Sb will appear in the display.

NOTE

- If the oven light is turned on and the **Sabbath** mode is active, the oven light will turn off. If the oven light needs to be off, be sure to turn the oven light off before activating the **Sabbath** mode. **Sabbath** mode can only be used in Bake mode.

Setting the Sabbath mode

1 Press the **Bake** button.

2 Set the desired temperature using the **+/-** buttons.

3 Press the **START** button.

4 Press and hold the **Settings** button for three seconds.

NOTE

- Sb will appear in the display when the Sabbath mode is activated.

5 To cancel the Sabbath mode, press and hold the **Settings** button for three seconds. To cancel the Bake function, press the **CLEAR/ OFF** button at any time.

SMART FUNCTIONS

LG ThinQ Application

This feature is only available on models with Wi-Fi.

The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

- **Product Upgrades**
  - On models with the **LG UP** Home Appliance feature, experience new features by upgrading the product through the **LG ThinQ** app.
- **Scan to Cook**
  - Scan the barcode on a ready-made meal using the **LG ThinQ** application and send the recommended or customized cooking instructions straight to your oven. **Remote Start** must be activated on the oven to use Scan to Cook.
- **Monitoring**
  - This function helps you check the current status, remaining time, cook settings and end time in one place.
- **Product Notifications**
  - Turn on the Push Alerts to receive appliance status notifications. The notifications are triggered even if the **LG ThinQ** application is not open.
- **Timer**
  - You can set the timer from the application.
- **Settings**
  - Allows you to set various options on the oven and in the application.
- **Smart Diagnosis**™
  - This function provides useful information for diagnosing and solving issues with the appliance based on the pattern of use.
- **Firmware Update**
  - Keep the appliance updated.

NOTE

- In the following cases, you must update the network information for each appliance in the **LG ThinQ** application under **Device Cards** ⟶ **Settings** ⟶ **Change Network**.
  - wireless router is changed
  - wireless router password is changed
  - Internet service provider is changed
- This information is current at the time of publication. The application is subject to change for product improvement purposes without notice to users.
- In the lower oven, Scan to Cook cannot be used while the timer is running. Cancel the timer operation to use Scan to Cook.

Installing LG ThinQ Application and Connecting an LG Appliance

Models with QR Code

Scan the QR code attached to the product using the camera or a QR code reader application on your smartphone.

Models without QR Code

1. Search for and install the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone.
2. Run the **LG ThinQ** application and sign in with your existing account or create an LG account to sign in.
3. Touch the add (+) button on the **LG ThinQ** application to connect your LG appliance. Follow the instructions in the application to complete the process.

NOTE

- To verify the Wi-Fi connection, check that the ᯤ icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.

- **LG ThinQ** is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- The surrounding wireless environment can make the wireless network service run slowly.
- If the distance between the appliance and the wireless router is too far, the signal becomes weak. It may take a long time to connect or fail to install the application.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The network connection may not work properly depending on the Internet service provider.
- The Wi-Fi may not connect or the connection may be interrupted because of the home network environment.
- If the appliance cannot be connected due to problems with the wireless signal transmission, unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, network setup may fail. Change the security protocol (**WPA2** is recommended), and connect the product again.
- To disable the **Wi-Fi** function, press and hold the **Wi-Fi** button for 3 seconds. The **Wi-Fi** indicator will be turned off.
- To reconnect the appliance or add another user, press and hold the **Wi-Fi** button for 3 seconds. Run the **LG ThinQ** application and follow the instructions in the application to connect the appliance.

Installing the LG ThinQ Application

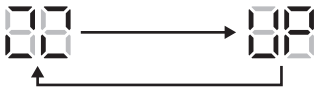
Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

LG UP Feature

Experience new features by updating the product through the **LG ThinQ** app.

If an updated feature is available, an update notification appears on the display and a melody sounds after cooking has finished and the **CLEAR/ OFF** key is pressed.

For example, the lights on the display may light in sequence until UP appears.



1. Update notifications are sent to your smartphone when updated features are available.
2. Press the update notification on your smartphone to enter the **Feature Updates** in the **LG ThinQ** app.
3. In the **Feature Updates** page, select a new function and press the **Update** button.
   - Do not unplug the product during the update, as doing so may interrupt the update process.
4. After the update is complete, check the guide in the **LG ThinQ** app for detailed feature settings.

NOTE

- This feature is only available on some models.
- After the update is complete, the actual product features may differ from those described in the owner's manual.

Connecting to Wi-Fi

The **Wi-Fi** button, when used with the **LG ThinQ** application, allows the appliance to connect to a home Wi-Fi network. The icon shows the status of the appliance’s network connection. The icon illuminates when the appliance is connected to the Wi-Fi network.

- **Initial Appliance Connection**

  Run the **LG ThinQ** application and follow the instructions in the application to connect the appliance.

- **Reconnecting the Appliance or Connecting Another User**

  Press and hold the **Wi-Fi** button for 3 seconds. Run the **LG ThinQ** application and follow the instructions in the application to connect the appliance.

Radio Equipment Specifications

Type	Operating Frequency Range	Output Power (Max.)
Wireless LAN	2 400 MHz - 2 472 MHz	< 1 W
Bluetooth†	2 400 MHz - 2 483.5 MHz	

† This feature is only available on some models.

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

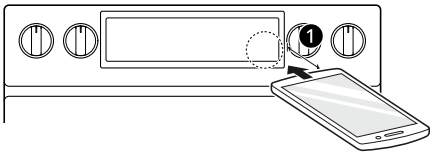
Follow the instructions below to use the audible diagnosis method.

- 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.



❶ 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.

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.

CAUTION

- Do not use abrasive cleansers, strong liquid cleaners, plastic scouring pads or oven cleaners on the control 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.
- 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 soil 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

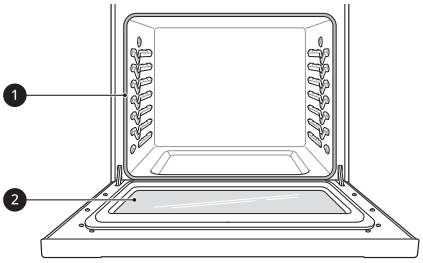
- To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish.
- Always wipe in the direction of the metal surface finish.
- Stainless steel appliance cleaner or polish can be purchased online or from most retailers of appliances or home goods.

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.

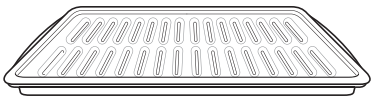
- Use soapy water to thoroughly clean the oven door. Rinse well. Do not immerse the door in water.
- You may use a glass cleaner on the outside glass of the oven door. Do not spray water or glass cleaner on the door vents.
- Do not use oven cleaners, cleaning powders, or harsh abrasive cleaning materials 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.



❶ Don’t hand clean oven door gasket

❷ 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.

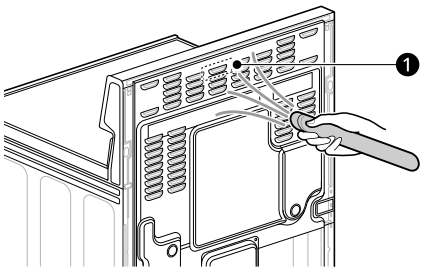
NOTE

- 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.

Use a vacuum cleaner with a brush or crevice attachment to clean the vent louvers ❶. 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. For your safety, please use an oven mitt or pot holder while scraping the hot cooking 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.
- For your safety, wear an oven mitt or pot holder while using a scraper on the hot cooking surface.

Use ceramic cooktop cleaner on the glass cooktop. Other creams may not be as effective or may scratch, damage or stain the cooktop surface. Wait for the cooktop to cool completely before using cooktop cleaning cream.

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

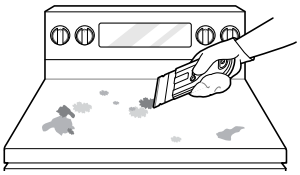
1. Before using the cooktop for the first time, clean it with a ceramic cooktop cleaner. This helps protect the top and makes cleanup easier.
2. Use ceramic cooktop cleaner daily to help keep the cooktop looking new.
3. Shake the cleaning cream well. Apply a few drops of cleaner directly to the cooktop.
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

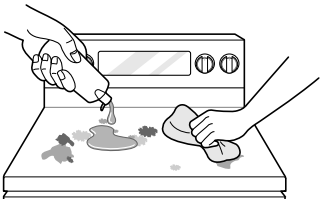
1. While the cooktop is still warm, remove any burnt on deposits or spilled food from the glass-ceramic cooking surface with a suitable metal razor scraper. To prevent burns, wear an oven mitt or pot holder while using the metal scraper.



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.

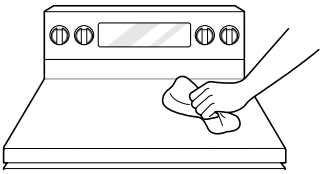
2 When the cooking surface has completely cooled, apply a few fingertip-sized dabs of a glass-ceramic cooktop cleaner in each burner area. Work the cleaning cream over the cooktop surface with a damp paper towel. Leave the cleaner on for 10 minutes before rinsing it off.



NOTE

- To remove stubborn soil, clean the area with a soft brush.

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

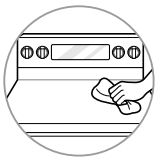


Maintaining the Cooktop

⚠ 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 cleaning cream. 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)				

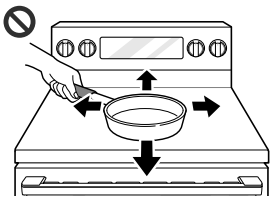
NOTE

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

Metal Marks and Scratches

CAUTION

- Cookware with rough or uneven bottoms can mark or scratch the cooktop surface.



- Do not slide metal or glass across the cooktop surface.
- Do not use cookware with any dirt build-up on the bottom.
- 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

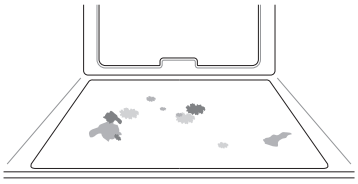
- Helps loosen light soils before hand-cleaning
- EasyClean only uses water; no chemical cleaners
- Makes for a better Self Clean experience
  - Delays the need for a Self Clean cycle
  - Minimizes smoke and odors
  - Can allow shorter Self Clean time

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

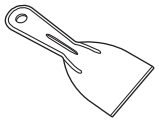
EasyClean Instruction Guide

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.
- 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.

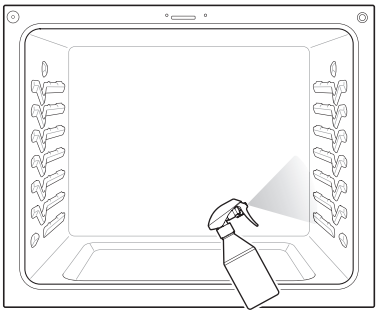


- Suggested plastic scrapers:
  - Hard plastic spatula
  - Plastic pan scraper
  - Plastic paint scraper

- 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**.

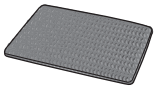
CAUTION

- 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.
- 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).
- Do not force the door open. This can damage the automatic door locking system. 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

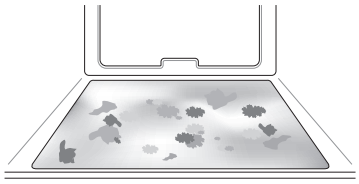
- The oven light cannot be turned on during a Self Clean cycle. The oven light cannot be turned on until the oven temperature has cooled below 500 ˚F (260 ˚C) after a Self Clean cycle is complete.
- During the Self Clean cycle, the cooktop elements and warming drawer cannot be used.
- Clean the frame of the oven and door with hot soapy water. Rinse well.

NOTE

- 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.
- Once the Self Clean cycle is set, the oven door locks automatically. You will not be able to open the oven door until the oven is cooled. The lock releases automatically.
- Once the door has been locked, the lock 🔒 indicator light stops flashing and remains on. Allow about 15 seconds for the oven door lock to activate.
- If the clock is set for a 12-hour display (default) the Delayed Self Clean can never be set to start more than 12 hours in advance.
- After the oven is turned off, the convection fan keeps operating until the oven has cooled down.
- If stubborn soils remain after 1 Self Clean cycle, run the multiple Self Clean cycles.

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 Soil Guide

Soil Level	Cycle Setting
Lightly Soiled Oven Cavity	3-Hour Self Clean
Moderately Soiled Oven Cavity	4-Hour Self Clean
Heavily Soiled Oven Cavity	5-Hour Self Clean

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 the **+/-** buttons 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.

Setting Self Clean with a Delayed Start

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 the **+/-** buttons to select a self clean time from 3 to 5 hours.

3 Press **Start Time**.

4 Press the **+/-** buttons until the display shows the time of day you would like the Self Clean to start.

5 Press **START**.

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

NOTE

- Parts may be changed due to product improvement and may look different than shown in images.

Door Care Instructions

Most oven doors contain glass that can break.

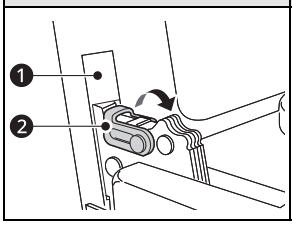
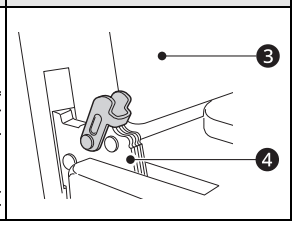
⚠ CAUTION

- 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 ❷ and flip it towards the hinge arm ❹ completely. Repeat on other side.

Locked Position	Unlocked Position
	

❶ Slot

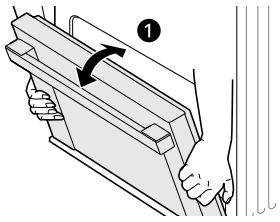
❷ Hinge Lock

❸ Oven Frame

❹ Hinge Arm

3 Firmly grasp both sides of the door at the top.

4 Partially close the door to approximately 5 degrees ❶. If the position is correct, the hinge arms will move freely.



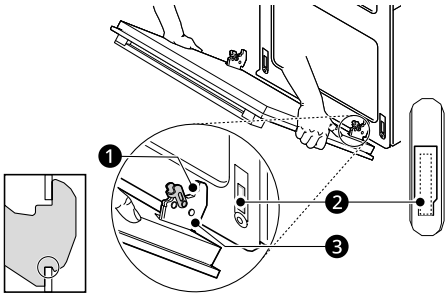
❶ about 5°

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.

2 Fully insert the hinge arms ❶ into the slots ❷ until the indentations ❸ on the hinge arms rest on the bottom edges of the slots.



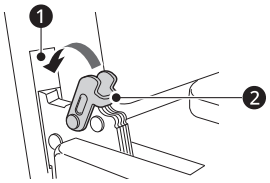
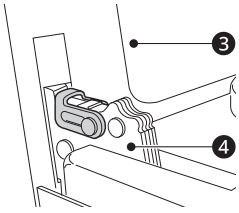
❶ Hinge Arm

❷ Bottom Edge of Slot

❸ 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 ❷ and flip it towards the oven ❸ until it clicks into position. Repeat on other side.

Unlocked Position	Locked Position
	

❶ Slot

❷ Hinge Lock

❸ Oven Frame

❹ Hinge Arm

5 Close the oven door.

Removing/Assembling Drawers

NOTE

- Parts may be changed due to product improvement and may look different than shown in images.

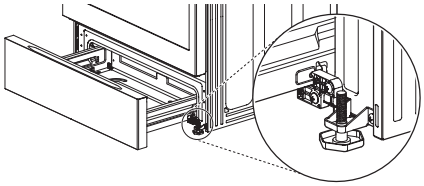
Removing Drawers

⚠ CAUTION

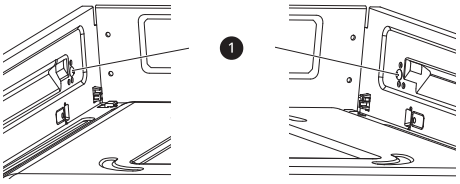
- Disconnect the electrical power to the range at the main fuse or circuit breaker panel. Failure to do so can result in severe personal injury, death, or electrical shock.

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.

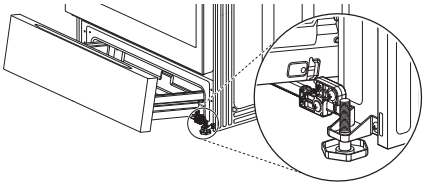
1 Fully open the drawer.



2 If there are screws ❶ on the sides at the back of the drawer, remove the 2 screws and set them aside. For models without screws, go to step 3.



3 Lift the front of the drawer until the stops clear the guides.

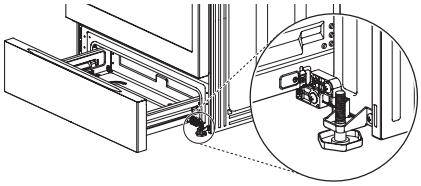


4 Remove the drawer.

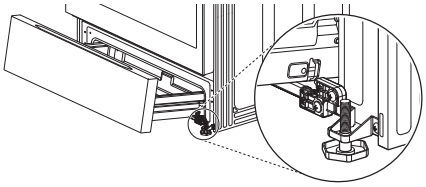
Assembling Drawers

1 Place the drawer rails on the guides.

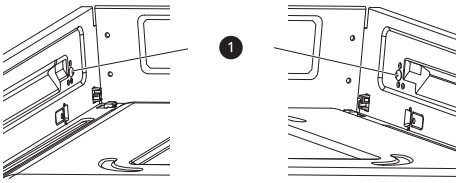
2 Push the drawer back until it stops.



3 Lift the front of the drawer, push it back until the stops clear the guides, and lower the front of the drawer.



4 If the drawer had screws, insert and tighten the 2 screws ❶ on the sides at the back of the drawer.



5 Push the drawer to close it.

Periodic Maintenance

Changing the Oven Light

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

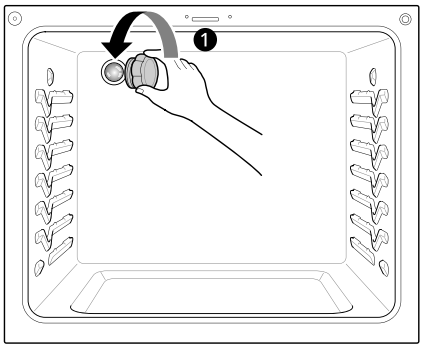
⚠ WARNING

- 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**.

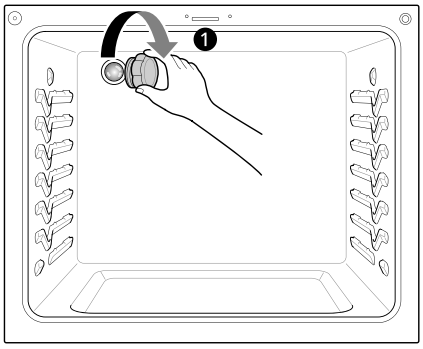
3 Remove the halogen lamp from the socket.



❶ To Remove

4 Insert a new halogen lamp.

5 **Insert** the glass lamp cover and turn it **clockwise**.



❶ To Assemble

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 spillovers 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.

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.

For detailed information or videos, visit www.lg.com for the troubleshooting page.

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.

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). Sb appears in the display and all function buttons are inactive. • Press and hold the Settings button for 3 seconds or until Sb 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.

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. - [Case 1] Code: F-3 Cause: Key short error - [Case 2] Code: F-9 Cause: Oven not heating
Oven control displays Sb/5b/S6/56 error code.	**This code is not an error code. It indicates that the product's Sabbath mode Sb 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.

Problem	Possible Cause & Solution
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.
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.

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 the date of original retail purchase, or from the date of delivery as per applicable law	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.

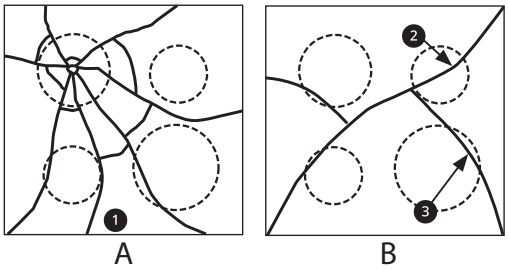
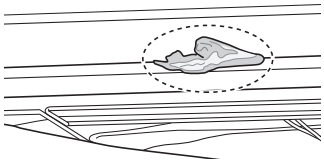
SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT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

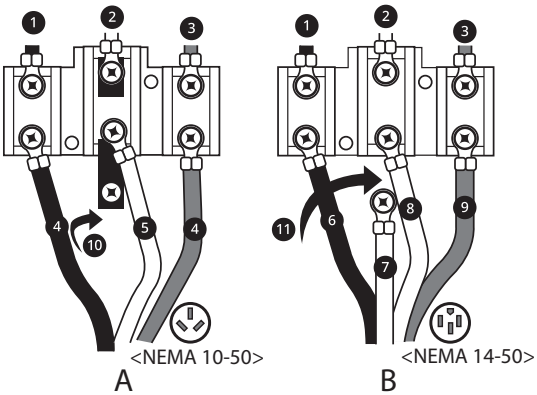
THIS LIMITED WARRANTY DOES NOT COVER:

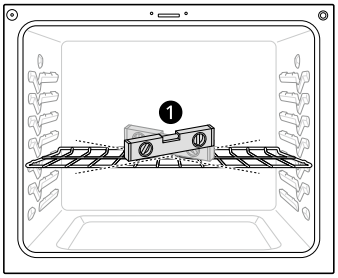
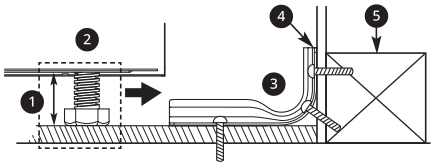
- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure of the Product caused by leaky or broken 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.
- 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: Out of warranty - ❶ Mechanical breakage • B: 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**  • 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.

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: 3-WIRE HOOK UP • B: 4-WIRE HOOK UP ❶ Black ❷ White ❸ Red ❹ Outer wire ❺ Center wire (neutral) ❻ Black wire ❼ Green ground wire ❽ White wire (neutral) ❾ Red wire ❿ Ground strap ⓫ 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 • Check with installer first.

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. 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 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. 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 and clicking on "How do I find my model number?").

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.

LG Customer Information Center	Centro de Información al Cliente LG	Centre de Service à la Clientèle de LG
For inquiries or comments, visit **www.lg.com** or call: 1-800-243-0000 U.S.A. 1-888-542-2623 CANADA	Para consultas o comentarios, visite **www.lg.com** o llame por teléfono: 1-800-243-0000 EE.UU. 1-888-542-2623 CANADÁ	Pour des questions ou des commentaires, visitez **www.lg.com/ca_fr** ou appelez : 1-800-243-0000 ÉTATS-UNIS 1-888-542-2623 CANADA
Register your product Online!	¡Registre su producto en línea!	Enregistrez votre produit en ligne!
www.lg.com	www.lg.com	www.lg.com/ca_fr