Scan to see the online manual.

LG SIGNATURE

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

LSIU6339XE

MFL68920599
Rev.02_071626

ENERGY STAR

www.LGSIGNATURE.com

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IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

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

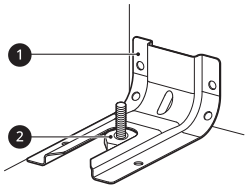
- A child or adult can tip the range and be killed.



- 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 or the temperature probe 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.
- REMOTE OPERATION - This appliance is configurable to allow remote operation at any time. Do not store any flammable materials or temperature sensitive items inside, on top or near surface units of the appliance.
- 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.

Button Cell or Coin Batteries Symbol

	**INGESTION HAZARD**: This product contains a button cell or coin battery.

Safety Standard for Button Cell or Coin Batteries

⚠ WARNING

• **INGESTION HAZARD**: This product contains a button cell or coin battery. • **DEATH** or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**. • **KEEP** new and used batteries **OUT OF REACH of CHILDREN**. • **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.	

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.
  - Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 140 ℉ (60 ℃) or incinerate.
  - Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Product contains non-replaceable batteries.
- Battery Type : ML621-TZ1
- Nominal Voltage : 3.0 V

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

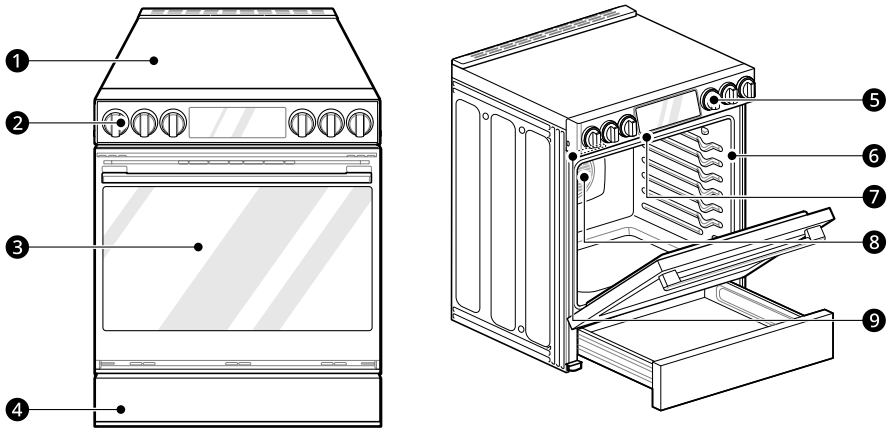
- Do not store items of interest to children in cabinets above a range or on the back guard of a range. Children climbing on the range to reach items could be seriously injured.
- Do not repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should 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, the meat probe and any cookware, utensils or food from the oven.

SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

Product Features

Exterior and Interior



1. Cooktop
2. Cooktop controller
3. Oven door
4. Storage drawer
5. Temp Knob
6. Gasket
7. Broil Burner
8. Convection burner
9. Model & serial number plate

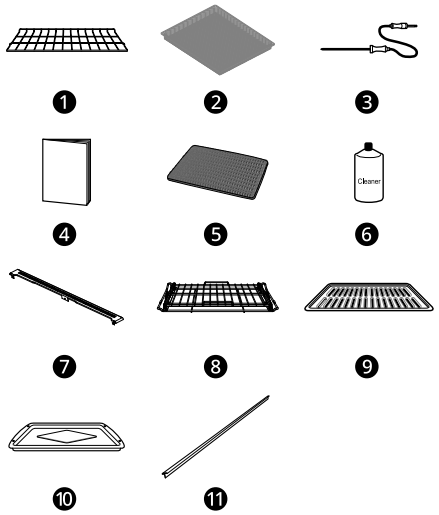
Product Specifications

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

Oven Range Models	LSIU6339XE
Description	Electric Slide In Oven Range
Electrical requirements	12.1 kW 120/240 VAC or 10.2 kW 120/208 VAC
Exterior Dimensions	29 7/8" (W) x 36 1/2" (H) x 26 7/8" (D) (D with door closed) 75.9 cm (W) x 92.7 cm (H) x 68.3 cm (D) (D with door closed)
Height to cooking surface	36" (91.3 cm)
Total capacity	6.3 cu. ft.

Accessories

Included Accessories



❶ Heavy Duty Rack (2 ea)

❷ Air Fry Tray (1 ea)

❸ Meat Probe (1 ea)

❹ Owner's Manual (1 ea)

❺ Non-scratch Scouring Pad (1 ea)

❻ Cooktop Cleaner (1 ea)

❼ Rear Filler (1 ea)

❽ Gliding Rack (1 ea)

❾ Grid (1 ea)

❿ Broiler Pan (1 ea)

⓫ Rubber Gasket (2 ea)

NOTE

- Contact LG Customer Service at 1-800-984-6306 (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.

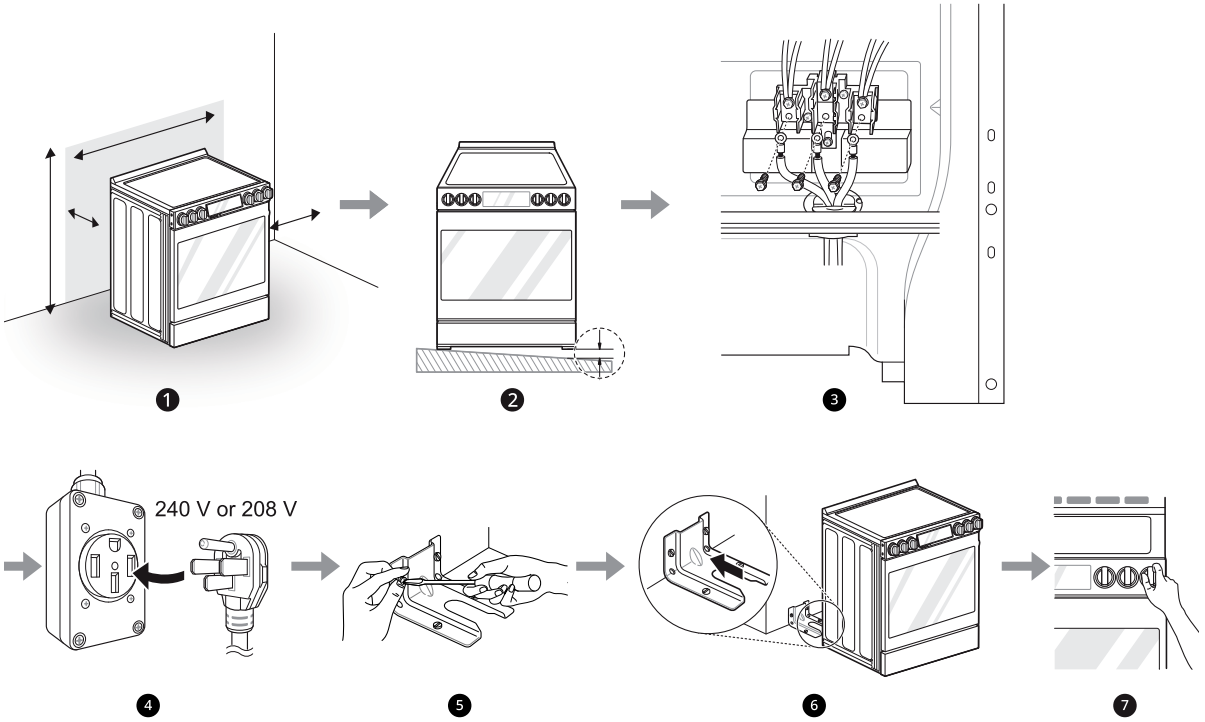
INSTALLATION

Before Installing

Installation Overview

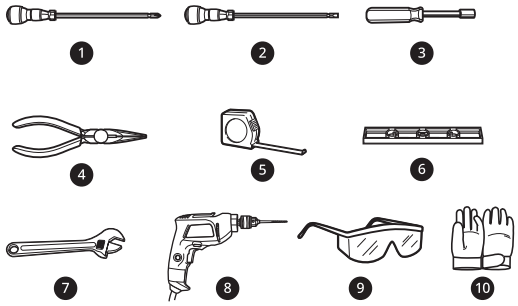
Please read the following installation instructions first after purchasing this product or transporting it to another location.

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	❺ Install anti-tip device
❷ Level the range	❻ Engage the anti-tip device
❸ Connect electric range	❼ Test run
❹ Plug in the power cord	

Tools Needed



❶ Phillips Screwdriver

❷ Flat-blade Screwdriver

❸ 1/4" Nut Driver

❹ Pliers

❺ Tape Measure

❻ Level

❼ Adjustable Wrench

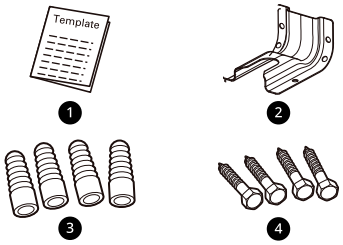
❽ Drill

❾ Safety Glasses

❿ Gloves

Parts

Parts Provided



❶ Template (1 ea)

❷ Anti-tip Bracket Kit (1 ea)

❸ Anchor Sleeves (4 ea)

❹ Lag Bolts (4 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)

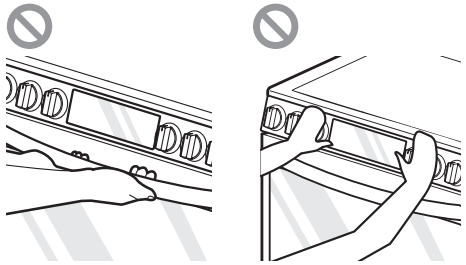
NOTE

- 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.

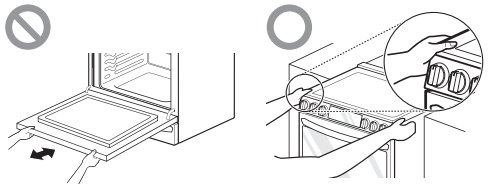
Unpacking and Moving the Range

⚠ WARNING

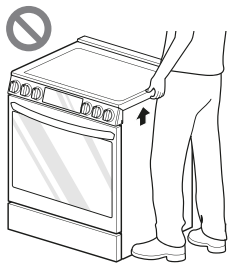
- You should use two or more people to move and install the range. (Excessive Weight Hazard) Failure to do so can result in back or other injury.
- Do not use the door handles or knobs to push or pull the range during installation or when moving the range out for cleaning or service. Doing so can result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



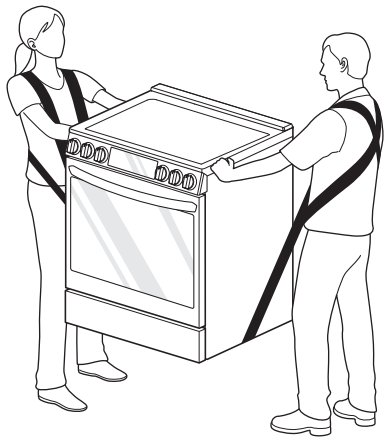
- To reduce the risk of burns, do not move this appliance while it is hot.

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.

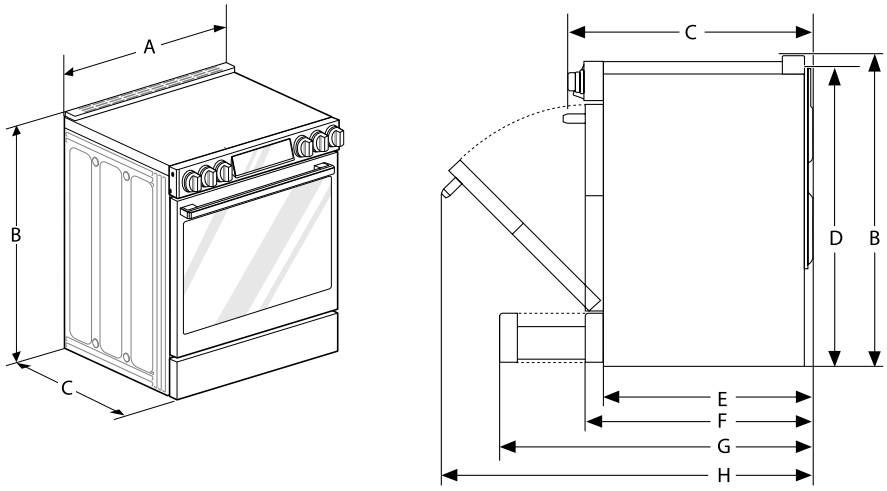


- Remove packing material, tape and any temporary labels from your range before using. Do not remove any warning-type labels, the model and serial number label, or the Tech Sheet that is located on the back of the range.
- To remove any remaining tape or glue, rub the area briskly with your thumb. Tape 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

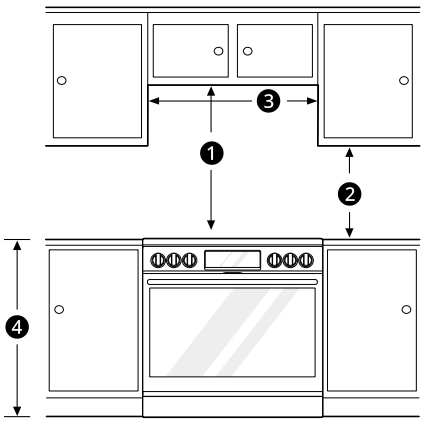
Dimensions and Clearances

Dimensions



-	Dimensions	LSIU6339XE
A	Width	29 7/8" (758.8 mm)
B	Height	36 1/2" (927.1 mm)
C	Depth (Includes Door Handle)	29 5/16" (744.5 mm)
D	Height (Excludes Vent Trim)	36" (913 mm)
E	Depth (Includes only the product body that is loaded into the cabinet. Excludes door, drawer, and handles)	24 3/4" (628.5 mm)
F	Depth (Excludes Door Handle)	26 7/8" (682.5 mm)
G	Depth when drawer is fully opened	36 1/16" (916.2 mm)
H	Depth when door is fully opened	48 5/8" (1235.9 mm)

Minimum Dimensions

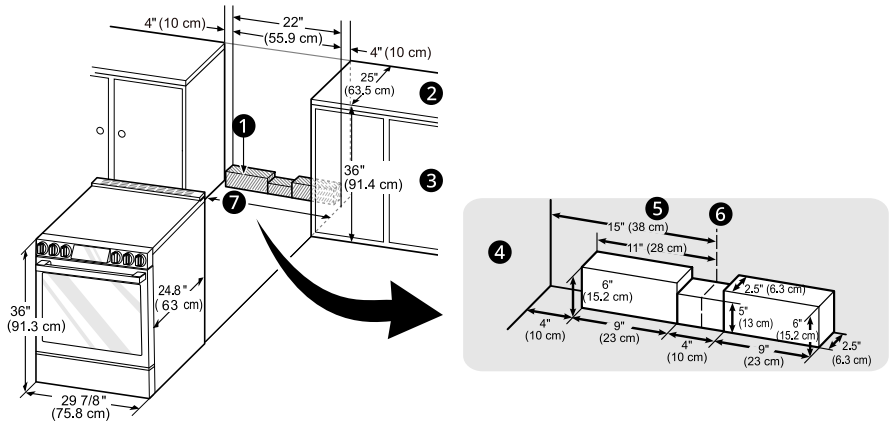


❶ Minimum distance from top of range to combustible surface overhead	30" (76.2 cm)
❷ Minimum distance from countertop to overhead cabinets at side	15" (38.1 cm)
❸ Minimum opening in overhead cabinets	30" (76.2 cm)
❹ Height of countertop	36" (91.3 cm)

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.
- ❷ 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.

Clearances



❶ Acceptable Electrical Outlet Area	❷ Normal Countertop Depth
❸ Counter Top Height	❹ Cabinet
❺ Wall	❻ Center
❼ Cabinet Opening = 30" (76.2 cm) For U.S.A = 30" (76.2 cm) ~ 31" (78.7 cm) For CANADA	

⚠ CAUTION

- The height of the countertop afterleveling the range should be higher than the surface height of the oven cooktop glass to prevent damage caused by impact on the glass rim.

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.

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

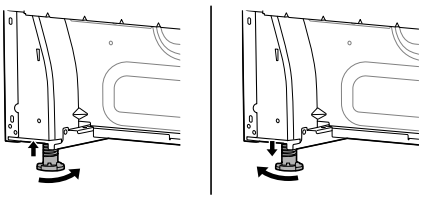
⚠ CAUTION

- 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).

Leveling

Leveling the Range

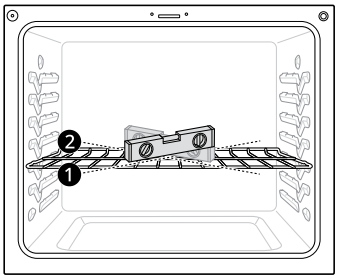
Level the range by adjusting the leveling legs with a wrench. Extending the legs slightly may also make it easier to insert the rear leg into the anti-tip bracket.



Checking Adjustments

1 Place the 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



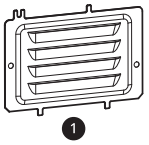
4 Wire receptacle (14-50R)



3 Wire receptacle (10-50R)

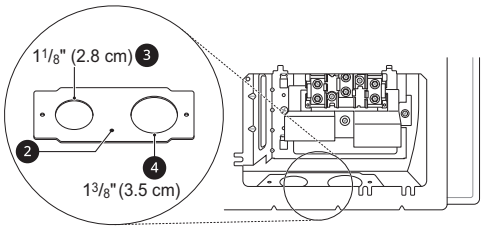
Connecting the Power Cord / Conduit

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

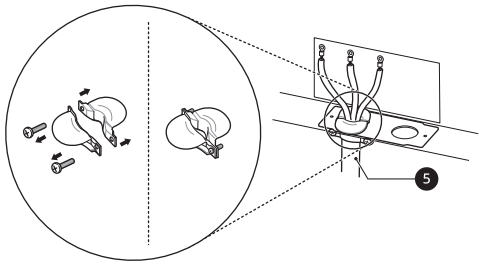


Use the cord/conduit connection plate ❷ to install the power cord or conduit. Leave the connection plate as installed for power cord installations. Remove the connection plate for conduit installations and rotate it to use the smaller 1 1/8

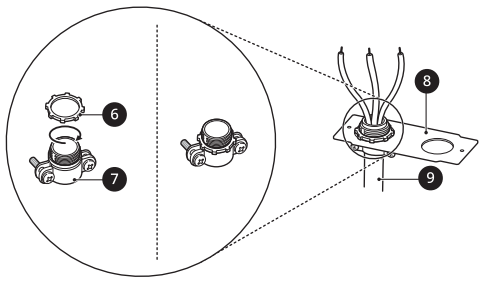
in. (2.8 cm) conduit hole ❸ instead of the 1 3/8 in. (3.5 cm) power cord hole ❹.



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.

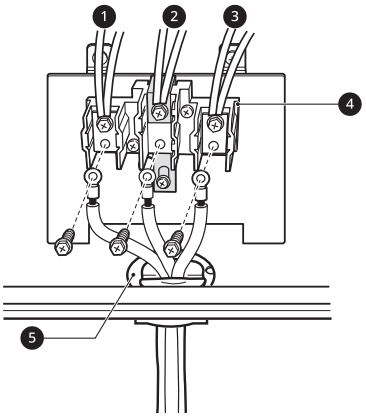
3 Remove the lower 3 screws from the terminal block and retain them.

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.

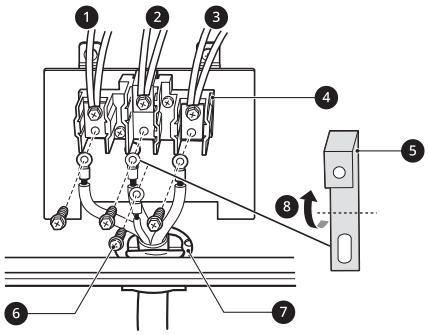
5 Insert the ground screw into the power cord ground wire (green) terminal ring and secure it to the range frame.

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

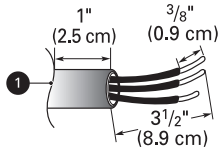
⚠ CAUTION

- 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.

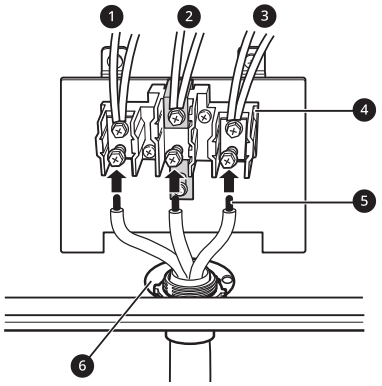
If the wire in the conduit is aluminum it must be 6 or 8 AWG wiring.

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

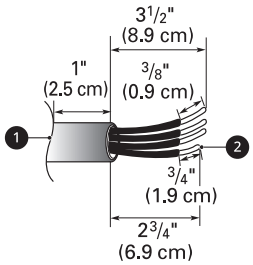
⚠ CAUTION

- 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.

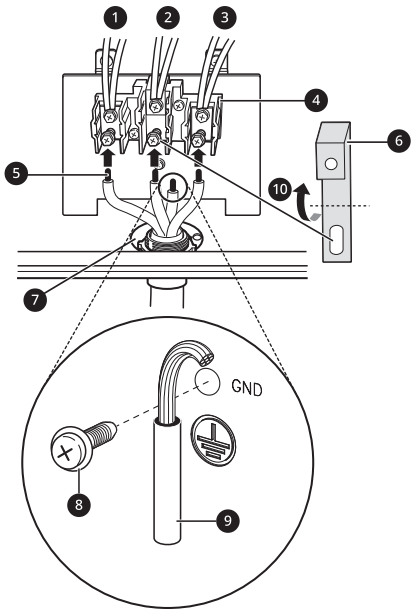
1 Loosen the 2 lower left and right screws from the terminal block. Remove the lower 2 center screws. Do not discard any screws.

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.

Optional Rear Filler

Installing the Rear Filler

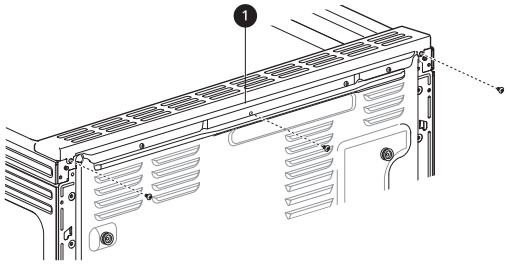
If the counter does not bridge the opening at the rear wall, the rear filler kit that is provided with the slide in range will be needed.

NOTE

- If the countertop depth is greater than 25 3/8" there will be a gap between the filler kit and the back wall.

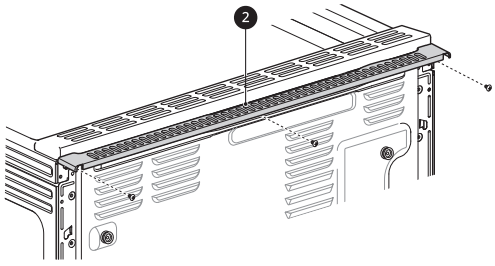
- If the countertop depth is less than 24 3/4", the control panel will not sit flush with the countertop.

1 Using a screwdriver, remove the three screws holding the rear top plate in place.



❶ Rear Top Plate

2 Attach the rear top plate and filler assembly as shown, using three screws removed in step 1.



❷ Rear filler

Anti-tip Device

Installing the Anti-tip Device

Tip Hazard

⚠ WARNING

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

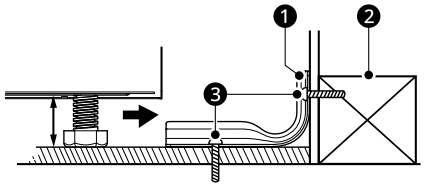


- Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged by following the guide on the anti-tip bracket template.
- Engage the range to the anti-tip device by following the guide on the anti-tip bracket template. Ensure the anti-tip 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

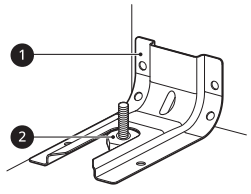
- The anti-tip bracket is packaged with an installation template. The instructions include necessary information to complete the installation. Read and follow the range installation instruction sheet.
- Screws ❸ must enter wood or concrete.



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.

Test Run

Test the Range Before Use

NOTE

- Do not try to light either the Bake or Broil burners during a power outage. The range has an electrical ignition system and cannot be used without power.

Checking Operation of Bake Burners

To check ignition of the Bake burner, follow the steps below:

1 Remove all packing materials from inside the oven cavity.

2 Tap **Manual Cook** and tap **Bake**.

- Make sure the door is closed.
- Default Temperature is 350 °F.

3 Tap **START**.

NOTE

- It may take between 30 and 90 seconds for the burner to start heating.

Checking Operation of Broil Burners

To check ignition of the Broil burner, follow the steps below:

1 Remove all packing materials from inside the oven cavity.

2 Tap **Manual Cook** and tap **Broil**.

- Make sure the door is closed.
- Default Temperature setting is **High**.

3 Tap **START**.

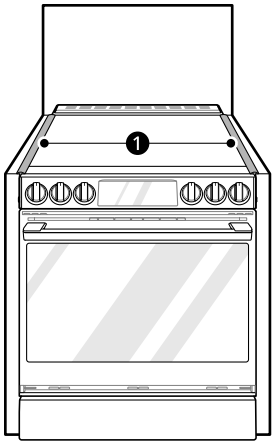
NOTE

- It may take between 30 and 90 seconds for the burner to start heating.

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. Look at ❶.



Removing/Assembling Oven Door Handle

Before Removing/Assembling the Oven Door Handle

- Tools Needed
  - 3/32" Allen wrenches

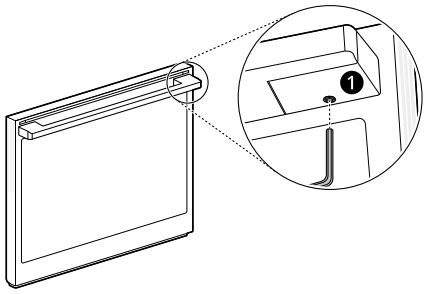
⚠ CAUTION

- When assembling or disassembling the handles, grasp the handle firmly to avoid dropping it.
- When assembling or disassembling the handles, wear gloves for your safety.
- We suggest you have another person hold the handle in place while you remove/insert the screws.

- Do not swing the handle into nearby people or animals.
- Make sure that the set screws are in place and the pockets at the ends of the handles are aligned correctly over the mounting fasteners on the doors. The set screws should be loose enough to allow the pockets to slide down into place over the mounting fasteners on the door.
- Make sure that there is not a gap between the door and handle after assembling the handle.
- After assembling the handle, pull the door open to make sure the screws are fully assembled.

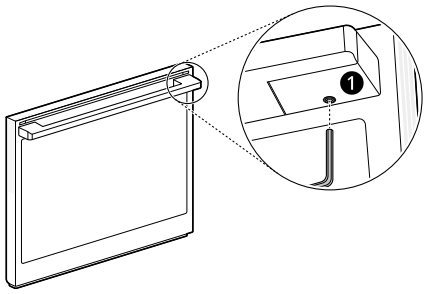
Removing Oven Door Handle

1 Loosen the set screws ❶ located on the lower side of the handle with a 3/32 in. Allen wrench and remove the handle.



Assembling Oven Door Handle

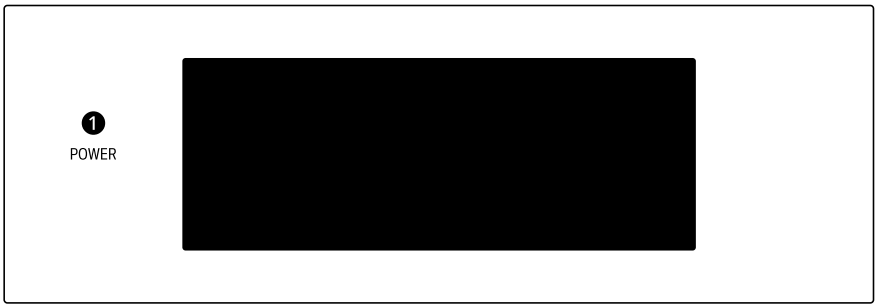
1 Place the handle on the door by fitting the handle footprints over the mounting fasteners and tightening the set screws ❶ with a 3/32 in Allen wrench.



OPERATION

Control Panel

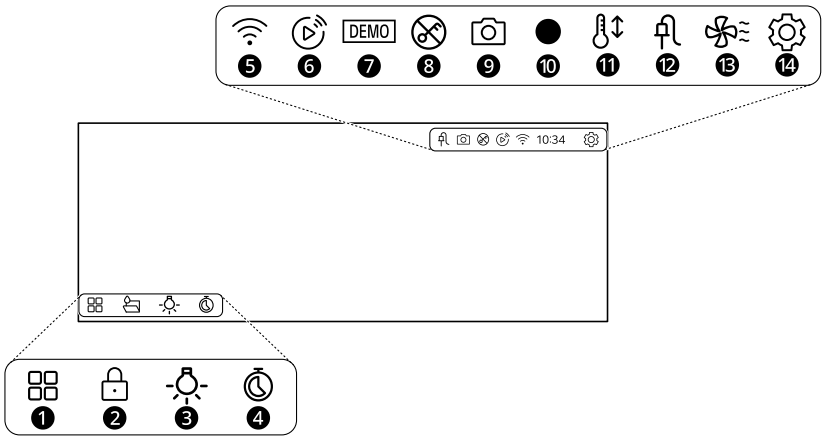
Control Panel Features



❶ Power On/Off button

Display Icons

Icons appear in display when activated.

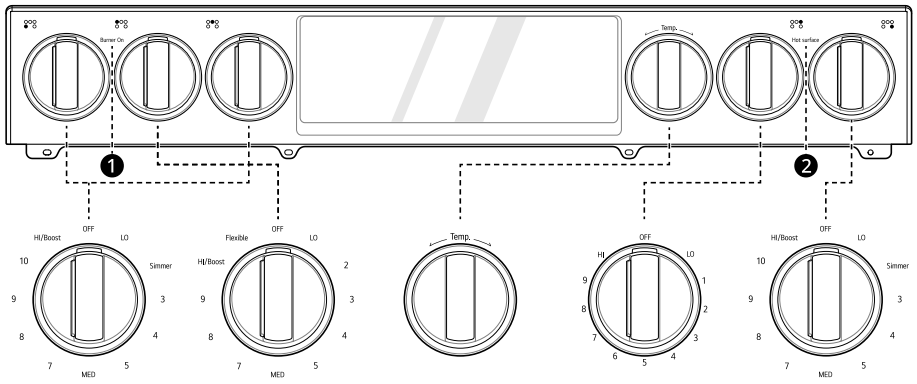


	❶ All Modes Icon Tap to go to the **All Modes** screen. Tap to go to the timer setting screen or timer editing screen.
	❷ Control Lock Icon Tap to activate the **Control Lock** function.
	❸ Light Icon Tap to turn on or off the interior oven lamp.
	❹ Timer Icon Tap to go to the timer setting screen or timer editing screen.
	❺ Wi-Fi Icon • Appears when oven is connected to Wi-Fi. • Appears when oven is disconnected from Wi-Fi or is not connected in application.

 	**❻ Remote Start Icon** • Appears when Remote Start is active. • Appears when Remote Start is active, but Wi-Fi setting is OFF or Wi-Fi disconnected.
	**❼ Demo Mode Icon** Appears when Demo mode is on.
	**❽ Door Lock Icon** Appears when Door Lock is on.
	**❾ Camera Icon** Appears when Camera is on.
	**❿ REC Icon** Appears when Camera is recording.
	**⓫ Auto Conversion Icon** Appears when Convection Auto Conversion is turned on.
	**⓬ Probe Icon** Appears when probe is connected.
	**⓭ Oven Cooling Icon** Appears during or after oven operation to indicate cooling fan is running in oven.
	**⓮ Settings Icon** Tap to go to the Settings Screen.

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.

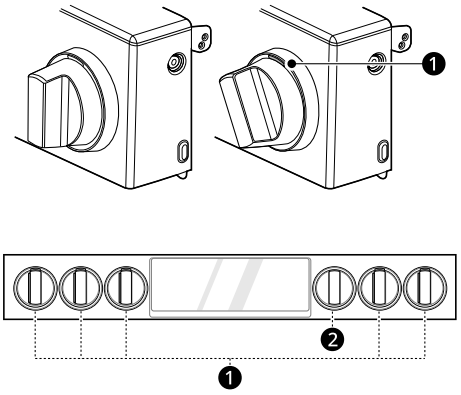


❶ **Burner On** Indicator

❷ **Hot Surface** Indicator

Knob Lighting

Knob lighting illuminates the edge of the knob when you turn the knob to operate the heating elements (excluding Temp Knob).



❶ Knob Lighting

❷ Temp Knob

NOTE

- Temp Knob does not operate the Knob Lighting.
- Turning on **Control Lock** does not prevent the knob lighting or cooktop elements from turning on when a cooktop knob is turned.

Changing Oven Settings

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.

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.	-
Bake		170 °F / 80 °C	550 °F / 285 °C	350 °F / 175 °C 12 hr.
Convection Bake		170 °F / 80 °C 80 °C (*66 °C)	550 °F (*525 °F) / 285 °C (*271 °C)	350 °F (*325 °F) / 175 °C (*161 °C) 12 hr.
Convection Roast		300 °F (*275 °F) / 150 °C (*136 °C)		
Broil		**Low** 0:01 hr. / min.	**High** 2:59 hr. / min.	**High** 3 hr.
Warm		**Low** 0:01 hr. / min.	**High** 2:59 hr. / min.	**Medium** 3 hr.
Proof		-	-	12 hr.
Pizza		300 °F / 150 °C	550 °F / 285 °C	350 °F / 175 °C 12 hr.
Frozen Meal		300 °F / 150 °C	550 °F / 285 °C	400 °F / 205 °C 12 hr.
Air Fry				
Air Sous-Vide		100 °F / 38 °C 0:01 hr. / min.	205 °F / 96 °C 47:59 hr. / min.	130 °F / 54 °C 48 hr.
Air Roast		300 °F / 150 °C 0:01 hr. / min.	550 °F / 285 °C 11:59 hr. / min.	400 °F / 205 °C 12 hr.

Feature	Min. Temp. / Time	Max. Temp. / Time	Default
Crispy Reheat	300 °F / 150 °C 0:01 hr. / min.	550 °F / 285 °C 11:59 hr. / min.	350 °F / 175 °C 12 hr.
Dehydrate	100 °F / 38 °C 0:01 hr. / min.	200 °F / 93 °C 11:59 hr. / min.	160 °F / 71 °C 12 hr.
Probe	80 °F / 30 °C	210 °F / 95 °C	150 °F / 65 °C
Self Clean	3 hr.	5 hr.	4 hr.
EasyClean	-	-	10 min.

NOTE

- * Using auto conversion
- Default cook mode times are without setting a cook time.

Wi-Fi

Connect the appliance to a home Wi-Fi network to use Remote Start and other smart functions. See the Smart Functions section for more details.

Setting Up Wi-Fi

1 Tap the Settings icon at the top right of screen and tap **Network & System**.

2 Tap **Wi-Fi**.

3 Tap **Set Up Wi-Fi**.

4 Follow the instructions in the Wi-Fi Guide in the display.

Resetting Wi-Fi

1 Tap the Settings icon at the top right of screen and tap **Network & System**.

2 Tap **Wi-Fi**.

3 Tap **Reset Wi-Fi**.

4 Follow the instructions in the Wi-Fi Guide in the display.

Remote Start

This feature can be used with the **Manual Cook** modes to remotely start or stop the cooking operation. The appliance must be connected to a home Wi-Fi network to use **Remote Start**.

Setting Remote Start

1 Tap the Settings icon at the top right of screen and tap **Network & System**.

2 Tap the toggle switch next to **Remote Start** to select **On** or **Off**.

3 If **On** is selected, the **Remote Start** icon appears at the top of the display.

Remote Start icon	

4 Follow the instructions in the **LG ThinQ** app for using the Remote Start function.

Camera & AI Gourmet

When the camera setting is turned on, you can use camera features in the **LG ThinQ** app. If the Menu Recommendation setting is also turned on, an Auto Cook menu is recommended when you place food in the oven. If the AI Browning Alarm setting is also turned on, it notifies you when the selected browning level is reached.

Setting Camera

1 Tap the Settings icon at the top right of screen, and tap "**Network & System**".

2 Tap **Camera & AI Gourmet**.

3 Tap the toggle switch next to **Camera** to select **ON** or **OFF**.

4 If **ON** is selected, the Camera icon appears at the top of the display.

Camera icon	

When the Menu Recommendation setting is **ON** and the lower oven door is closed, food recognition proceeds immediately after entering the start screen.

Setting Menu Recommendation

1 Make sure the **Camera** is **ON** . Menu Recommendation can only be activated when **Camera** is **ON** .

2 Tap the toggle switch next to **Menu Recommendation** to select **ON** or **OFF**.

When the AI Browning Alarm setting is **ON** and an Auto Cook menu with a browning option is cooking, the oven will notify you with a pop-up and sound when the browning status reaches the selected browning level.

Setting AI Browning Alarm

1 Make sure the **Camera** and **Wi-Fi** is **ON**. Menu Recommendation can only be activated when **Camera** is **ON** .

2 Tap the toggle switch next to **AI Browning Alarm** to select **ON** or **OFF**.

Control Lock

The **Control Lock** feature automatically prevents most oven controls from being turned on. All functions are disabled except the **POWER** button. Control Lock does not lock the oven door.

Lock

1 Tap the Settings icon at the top right of screen and tap **Display & Sound**.

2 Tap the toggle switch next to **Control Lock** to select **On** or **Off**.

3 When **Control Lock** is activated, the lock icon appears at the top of the display.

Lock icon	

Unlock

1 Tap any part of the screen while **Control Lock** is on.

2 A popup screen appears. Tap and hold the lock icon for 3 seconds to turn off Control Lock.

3 The lock icon disappears from the top of the display.

Display

Set the length of time before the display sleeps.

There are three options you can select.

- **ON** : Always on
- **OFF** : Automatically turns off if idle for 5 minutes.
- **Night Mode** : Turns off from 10:00 PM to 5:00 AM.

Setting Display Option

1 Tap the Settings icon at the top right of screen, and tap **Display & Sound**.

2 Tap **Display**.

3 Select the desired option.

Brightness

Adjust the brightness of the LCD display from 20 % to 100 % in increments of 20 %.

Setting Display Brightness

1. Tap the Settings icon at the top right of screen, and tap **Display & Sound**.
2. Tap **Brightness**.
3. Adjust the brightness by tapping the +/- button, tapping the bar, or dragging the bar.

Clock Theme

There are five different clock themes available.

Setting Clock Theme

1. Tap the Settings icon at the top right of screen, and tap **Display & Sound**.
2. Tap **Clock Theme**.
3. Swipe to browse through the clock themes. And select a clock theme.

Volume

Adjust the volume of the following features: oven start, button operation, end of cooking, preheating complete.

Setting the Oven Volume

1. Tap the Settings icon at the top right of screen, and tap **Display & Sound**.
2. Tap **Volume**.
3. Adjust the volume by tapping the +/- button, tapping the bar, or dragging the bar.

NOTE

- Oven volume can be selected from 3 options: **High**, **Low**, and **Mute**.
- Cooktop volume can be selected from 2 options: **High** and **Mute**.

Language

Set the display language to English, Spanish, or French.

Selecting a Language

1. Tap the Settings icon at the top right of screen, and tap **General**.
2. Tap **Language**.
3. Select the desired language.

Date & Time

The date and time show in the LCD display when the ovens are not in use.

NOTE

- When the Auto Time Sync setting is turned on, the server's date and time is applied automatically (Auto Time Sync requires a Wi-Fi connection).
- When the Auto Time Sync setting is turned off, Date & Time can be set separately.

Setting Auto Time Sync

1. Tap the Settings icon at the top right of screen, and tap **General**.
2. Tap **Date & Time**.
3. Tap the toggle switch next to **Auto Time Sync** to select **On** or **Off**.

Setting Date

1. Tap the Settings icon at the top right of screen, and tap **General**.
2. Tap **Date & Time**.

3 Scroll to set the correct date.

Setting Current Time

1 Tap the Settings icon at the top right of screen, and tap **Time**.

2 Tap **Date & Time**.

3 Scroll to set the correct hour and minutes. You can also press the number pad icon and enter the desired numbers.

Number pad icon	

Setting Time Format

1 Tap the Settings icon at the top right of screen, and tap **General**.

2 Tap **Date & Time**.

3 Tap the toggle switch next to **24-Hour Time** to select **12 H** or **24 H**.

Temperature Unit

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

Selecting Fahrenheit or Celsius

1 Tap the Settings icon at the top right of screen and tap **General**.

2 Tap **Temperature Unit**.

3 Select the desired Temperature Unit.

Sabbath

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 oven function buttons are inactive. **Sabbath** and the set temperature will appear in the display.

When **Sabbath** mode is enabled, the appliance can be used without having to be powered on or turned off.

While the oven is in **Sabbath** mode, the following functions are disabled:

Temperature Adjustments, Cooking Time, Display, Oven Light On/Off, Alarm Functions and Wi-Fi.

Setting Sabbath Mode

1 Tap the Settings icon at the top right of screen and tap **General**.

2 Tap **Sabbath**.

3 Tap the temperature to set the desired temperature. Adjust the temperature by tapping the +/- button, tapping the bar, or dragging the bar.

- You can also use the number pad icon to set the temperature directly and then tap **OK**.

4 If desired, tap cook time to set the cook time. Scroll to set the desired cook time.

- You can also use the number pad icon to set the cook time directly and then tap **OK**.

5 Tap **Start**.

6 To stop the **Sabbath** mode, press the **POWER** button on the control panel.

NOTE

- If a cook time is set, the oven turns off automatically at the end of the cook time, without chiming. The oven remains in Sabbath mode, but is turned off.
- If no cook time is set, the oven will not automatically turn off.
- After a power failure, the display will turn back on in Sabbath mode, but the oven will be off.
- Always close the oven door before engaging Sabbath Mode.
- Probe is not available in Sabbath mode.

Start Screen

There are five different screen themes available.

Setting Start Screen

1 Tap the Settings icon at the top right of screen and tap **Customized**.

2 Tap **Start Screen**.

3 Select the desired start screen theme.

- **Main Menu**
- **Manual Cook**
- **Auto Cook**
- **Recent Cook**
- **My Recipes**

Temperature Adjustment

Your new oven may cook differently than 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 temperature yourself.

NOTE

- 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 (11 °C). Proceed in this way until the oven is adjusted to your satisfaction.

Adjusting the Temperature

1 Tap the Settings icon at the top right of screen, and tap **Customized**.

2 Tap **Temperature Adjustment**.

3 Adjust the temperature by tapping the +/- button, tapping the bar, or dragging the bar.

Convection Auto Conversion

When **Convection Bake** and **Convection 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 **Convection Bake**, enter 350 °F, and 325 °F shows on the display after preheat.

Setting Convection Auto Conversion

1 Tap the Settings icon at the top right of screen, and tap **Customized**.

2 Tap the toggle switch next to **Convection Auto Conversion** to select **On** or **Off**.

3 When **Convection Auto Conversion** is activated, the Auto Conversion icon appears at the top of the display.

Preheat Alarm Light

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

You can turn the preheat alarm light on or off.

Setting the Preheat Alarm Light

1 Tap the Settings icon at the top right of screen, and tap **Customized**.

2 Tap the toggle switch next to **Preheat Alarm Light** to select **On** or **Off**.

Smart Diagnosis™

Smart Diagnosis™ can be run through the **LG ThinQ** smartphone application or by calling for support. Place your smartphone's mouthpiece near the top left corner of the screen. See "Smart Diagnosis Function" in the Smart Functions section for detailed instructions.

1 Tap the Settings icon at the top right of screen, and tap **Maintenance & Info**.

2 Tap **Smart Diagnosis**.

3 Tap **Start** to start the diagnostic tone.

Factory Reset

This function returns all settings to the factory defaults.

⚠ CAUTION

- All stored data will be deleted.

1 Tap the Settings icon at the top right of screen, and tap **Maintenance & Info**.

2 Tap **Factory Reset**.

3 A popup will appear in the display. If you want to reset data to the factory defaults, then tap **Reset**.

Open Source License

This screen displays a list of the open source software contained in this product. Refer to the indicated licenses for the terms and conditions of their use.

1 Tap the Settings icon at the top right of screen and tap **Maintenance & Info**.

2 Tap **Open Source License**.

3 Tap **View Contents** to Read Open Source License contents.

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.

During Cooking

- 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.

⚠ CAUTION

Before Cooking

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

During Cooking

- Never cook directly on the glass. Always use cookware.
- 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.

⚠ CAUTION

- 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

- 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.

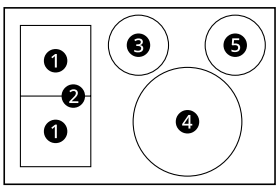
Hot Cookware and Residual Heat

⚠ 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 and a radiant heat warming zone. The wattage ratings below are maximum outputs. The second rating is the maximum output for Boost mode.



❶ Induction Left Front/Rear Cooking Element:
8 1/2" x 7 1/8", 1650 W / 3300 W (240 V)

❷ Induction Flex Zone Cooking Element:
8 1/2" x 14 3/16", 2800 W / 3300 W (240 V)

❸ Induction Center Rear Cooking Element:
6", 1300 W / 1800 W (240 V)

❹ Induction Right Front Cooking Element:
11", 2400 W / 4300 W (240 V)

❺ Radiant Heat Warm Zone
6", 100W (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

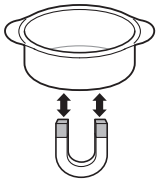
NOTE

- 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	
	

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.

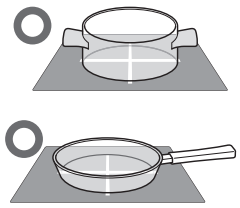
NOTE

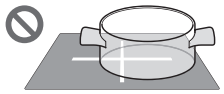
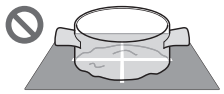
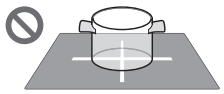
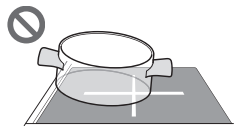
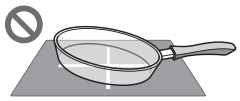
- Not all stainless steel cookware is magnetic; stainless steel is not always suitable for induction cooking.

- **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.

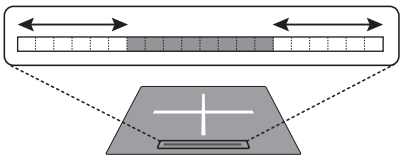
Correct Use	
	• Cookware is centered correctly on surface of cooking element. • Pan has flat bottom and straight sides. • Pan size meets or exceeds the recommended minimum size for the cooking element. • Pan rests completely on the cooktop surface. • Pan is properly balanced.

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.
	• 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.

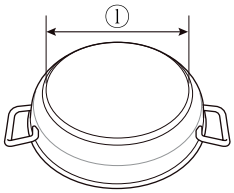
The cooking zone LED bar may display a pan sensing error message. If a cooking element is activated and no cookware is detected, the affected induction cooking zone LED bar will fluctuate. If the cookware does not meet the correct conditions, the cooking zone may not heat.

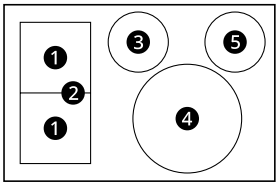


If the problem is not corrected, the affected cooking element will automatically deactivate after one minute.

Minimum and Maximum Pan Size

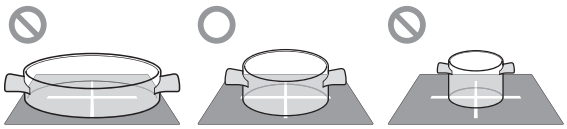
There are four cooking elements on the induction cooktop. Each element requires an appropriate pan size to be used effectively. The bottom size of the pan must be between the maximum and minimum diameter ① for proper cooking to occur.





Cooking Area	Heater		Diameter of Pan Bottom ①	
	Type	Size (inch)	Min.	Max.
❶	Induction	8 1/2 x 7 1/8	5 13/16" (147 mm)	7 1/8" (180 mm)
❷	Induction	8 1/2 x 14 3/16	4 3/4" (120 mm)	10 5/8" (270 mm)
❸	Induction	6	5.5" (140 mm)	7" (178 mm)
❹	Induction	11	9.5" (241 mm)	11.8" (300 mm)
❺	Warm	6	-	-

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 affected cooking element's LED bar fluctuates and 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.

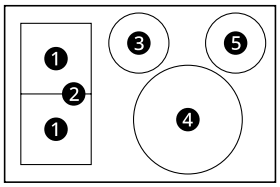
3 Tap the Settings icon at the top right of screen, and tap **Maintenance & Info**.

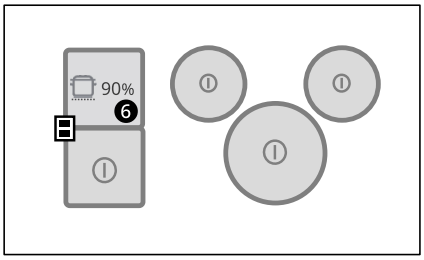
4 Tap **Cookware Compatibility Indicator**.

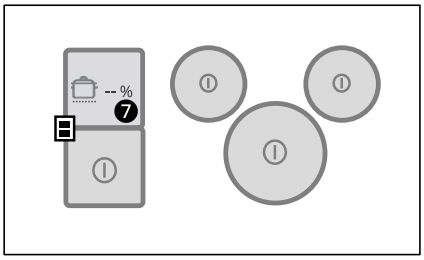
5 Set the power level on the selected element to 10.

6 Tap **OK**, and the number of the desired cooktop element (❶, ❸, ❹) at the same time for at least 3 seconds. The indicator ❻ is shown on the display. When indicator is not checked, ❼ is shown on display.

7 This test does not apply to the Warm Zone ❺ and the cooktop element ❷ with the Flex function activated. .







⚠ 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 90 or above.

Indicator	Compatibility
0 - 10	Low
20 - 80	Medium
90 - 100	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 (Except Warming Zone)

⚠ CAUTION

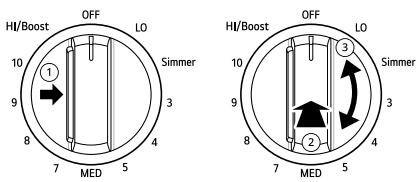
- Clean the knobs regularly. Soil or foreign objects on the knobs may interfere with the operation of the button.
- Do not apply excessive force when using the buttons and lock functions, or they may be damaged.
- The surfaces of the knobs may be hot after cooking. Allow the knobs to cool sufficiently or put on an oven mitt before touching them.
- The buttons must be properly set to ensure the intended functions of the knobs.

NOTE

- To use the cooktop knobs without pressing in the side button, use the button lock function.
- If removing and reassembling the knob, press and hold the side button while pushing the knob fully onto shaft.

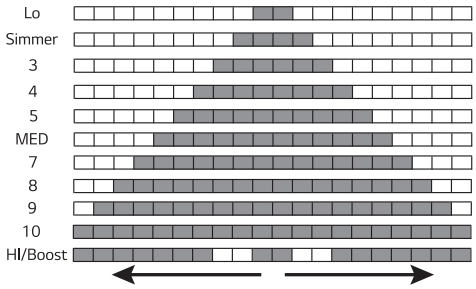
1 Press in the side button on the knob. ①

2 Push the control knob in. ②



3 Turn the knob in either direction to select the desired setting. A short beep sounds and the cooking element's LED bar shows its current setting.

Cooking Element LED Bar
The range provides an LED bar for each cooking element on the cooktop. Check messages in the display window and use the LEDs with the corresponding control knobs to monitor the power levels of the elements.



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 LED bar flashes and the **Boost** mode stays in operation for up to 10 minutes. After 10 minutes, the cooking element automatically returns to the Hi 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.

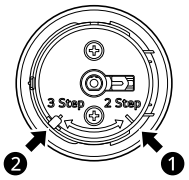
Using the Knob Lock

You can adjust the Knob Lock on each cooktop knob so you don't have to press the button in to use the knob. Remove and adjust one knob at a time.

1 Make sure the knob is in the **OFF** position and pull it straight off the stem.

2 On the back of the knob ring, rotate the black tab to the **2 Step** or **3 Step** position.

- If you slide the tab to the **2 Step** ❶ position, the knob can be used without pressing in the button.
- If you slide the tab to the **3 Step** ❷ position, you must press in the button to use the knob.



3 Once the Knob Lock is adjusted as desired, reinstall the knob. To reinstall, hold the knob with the **OFF** label at the top and slide the knob directly onto the stem.

NOTE

- The black tab must be aligned with the **2 Step** or **3 Step** mark to ensure proper operation of the knob and button.

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

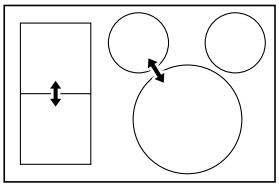
NOTE

- 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.

Turning on the Warm Zone

⚠ CAUTION

- FOOD POISON HAZARD : Bacteria may grow in food at temperatures below 140 °F.
  - Always start with hot food. Do not use the warm setting to heat cold food.

- Do not use the warm setting for more than 2 hours.

The Warm Zone, located in the back right of the glass surface, will keep hot, cooked food at serving temperature. Use the Warm Zone to keep food warm after it has already been cooked. Attempting to cook uncooked or cold food on the Warm Zone could result in a food-borne illness.

1 Push the **Warm Zone** element knob in.

2 Turn the knob in either direction to the desired setting.

For best results:

- When warming pastries or breads, leave an opening in the cover to allow moisture to escape.
- Do not use plastic wrap to cover food. Plastic may melt onto the surface and be very difficult to remove.
- Use only dishware, utensils and cookware that are recommended for oven and cooktop use.
- Food on the warmer should be kept in its container or covered with a lid or aluminum foil to maintain food quality.
- Do not allow aluminum foil to contact the hot induction cooktop surface.

If a particular food is not listed, start with the medium heat level and adjust as needed. Most foods can be kept at serving temperatures by using the medium heat level.

Setting	Food Item
Low (Lo-3)	• Vegetables • Rice • Pasta • Sugary sauces (tomato sauce, BBQ sauce)
Medium (3-7)	• Cream-based soups and sauces • Stews and chili • Warming empty plates or serving dishes
High (7-Hi)	• Broth-based soups • Hot beverages (hot cider, hot chocolate)

Oven

Before Using the Oven

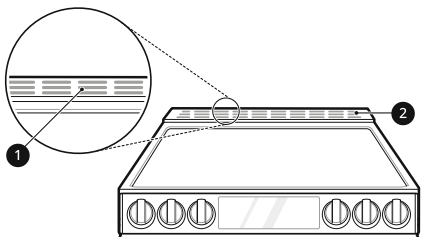
NOTE

- 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

❷ Vent trim

⚠ CAUTION

- The edges of the range vent are sharp. Wear gloves when cleaning the range to avoid injury.
- Do not block, touch or place items around the oven vent during cooking.
  - Do not block the oven vent when cooking to allow for proper air flow. Do not touch vent openings or nearby surfaces during any cooking operation.

Using Gliding Oven Racks

The gliding racks slide in and out on a frame. This keeps heavy cookware level and prevents it from sliding forward when the rack is completely extended.

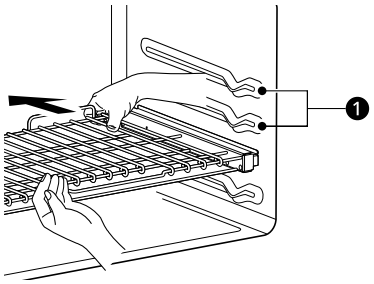
⚠ CAUTION

- Place oven racks in the desired location before turning on the oven to avoid 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.

Installing Gliding Racks

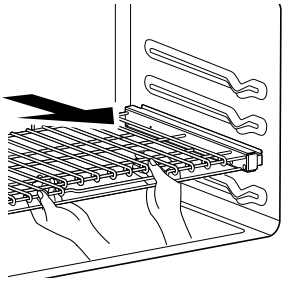
1. Start with the rack in the closed position. Hold the rack with one hand at the center front and the other hand at the back right corner.

2. Carefully insert the rack between the rack guides, and slide it back until the shelf drops into place.



❶ Rack guides

3. Once the rack is secured in the back, pull the entire rack forward until the rack locks into place.



Removing Gliding Racks

1. With the rack in the closed position, grasp the front of the rack and frame and lift up. Slowly push the rack towards the back wall until it is free of the rack stop.

2. After disengaging the rack stop, lift the back of the rack and pull the rack and frame out between the rack guides.

Using Heavy Duty Oven Racks

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

⚠ CAUTION

- Reposition 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 or cause them to come off the rails, which may result in injury.

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.

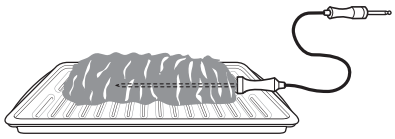
Meat Probe

The meat probe accurately measures the internal temperature of meat, poultry and casseroles. It is available on Bake, Convection Bake, Convection Roast, Air Roast, or some menus of Auto Cook.

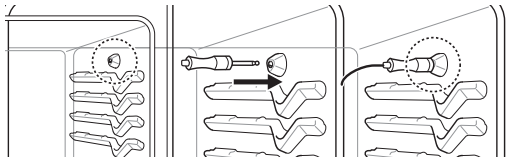
Always unplug and remove the meat probe from the oven when removing food. Before using, insert the probe into the center of the thickest part of the meat or into the inner thigh or breast of poultry, away from fat or bones. Place food in the oven and connect the meat probe to the jack. Keep the probe as far away from heat sources as possible.

Setting the Meat Probe Function

1 Insert the meat probe into the meat.



2 Connect the meat probe to the jack.



3 The meat probe icon flashes in the display if the meat probe is properly connected.

Method

1 Select cook mode. Probe is available on **Bake**, **Convection Bake**, **Convection Roast** and **Air Roast**.

2 Tap "**Temp.**" to set the desired cooking temperature. Then tap ⟵ to save the settings.

3 Tap "**Probe**" to set the desired probe temperature. Then tap ⟵ to save the settings.

4 Press the **START** button.

NOTE

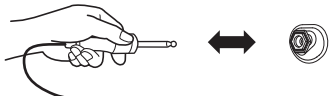
- The default probe temperature is 150 °F (65 °C), but can be changed to any temperature between 80 °F (27 °C) and 210 °F (100 °C). The display shows the changing probe temperature. When the set probe temperature is reached, the oven shuts off automatically.

IMPORTANT NOTE

Press the **STOP** button to cancel the cooking with the probe at any time. To avoid breaking the probe, make sure food is completely defrosted before inserting.

⚠ CAUTION

- Always use an oven mitt to remove the temperature probe. Do not touch the broil element. Failure to obey this caution can result in severe personal injury.
- To avoid damage to the meat probe, do not use tongs to pull on the probe when removing it.
- Do not store the meat probe in the oven.
- Do not pull the wire to remove the probe. Hold the probe head, not the wire, when inserting or removing the probe.



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 ℉ (80 ℃) to 550 ℉ (285 ℃). The default temperature is 350 ℉ (175 ℃). The meat probe can also be used with this mode.

Setting the Bake Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Bake**.

3 Tap < or drag the option card to set the cook options.

4 Tap **Temperature** set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cook temperature directly.

5 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cooking temperature directly.

6 Tap **When Finished** to add a function after cooking is complete.

- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

7 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

8 A chime sounds once preheating is complete.

9 A chime sounds at the end of the set cook time and a notification appears in the display.

10 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the button right of the screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Baking Pans

- When baking in **Bake** modes, use baking pans with a dark metal or coated surface.
- When baking with **Convection Bake**, you can also use baking pans with a bright metal surface.
- Always place cake pans in the middle of the tray or oven rack.
- When baking with **Bake**, you can place two baking pans side by side in the oven for a baking time that is only slightly longer.

NOTE

- If no cook time is set, the oven turns off automatically after 12 hours.

Tips for Baking

Results of Baking	Possible Cause	Solution
The cake base is too light	Wrong oven rack position	Use a dark baking tin or put the cake one rack lower down.
Cake collapses (turns lumpy, soggy)	Oven temperature too high	Set the temperature slightly lower.
	Baking time too short	Set a longer baking time. The baking time cannot be reduced by setting a higher temperature.
	Mixture contains too much liquid	Use less liquid. Follow instructions for dough mixing times, especially when using kitchen appliances.

Results of Baking	Possible Cause	Solution
Cakes are too dry	Oven temperature too low	Next time set a slightly higher temperature.
	Baking time too long	Set a slightly shorter baking time.
Cakes are browned unevenly	Baking temperature too high and baking time too short	Set a slightly lower baking temperature and a slightly longer baking time.
	Mixture unevenly distributed	Distribute the mixture evenly over the baking tray/tin.
Baking time too long	Temperature too low	Next time set a slightly higher temperature.

Convection Bake and Roast

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.

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.

Setting the Convection Bake and Roast Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Convection Bake** or **Convection Roast**.

3 Tap < or drag the option card to set the cook options.

4 Tap **Temperature** to set the desired cooking temperature by tapping the +/- button, tapping the bar, or dragging the bar.
You can also use the number pad icon to set the cooking temperature directly.

5 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cooking time directly.

6 Tap **When Finished** to add a function after cooking is complete.

- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

7 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

8 A chime sounds once preheating is complete.

9 A chime sounds at the end of the set cook time and a notification appears in the display.

10 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

NOTE

- If no cook time is set, the oven turns off automatically after 12 hours.

NOTE

- The heating elements and fan turn off if the door is opened. They turn on again after the door is closed.
- The oven fan runs while convection baking and convection roasting. The fan stops when the door is opened. In some cases, the fan may shut off during a convection bake cycle.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

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.

Tips for Convection Roasting

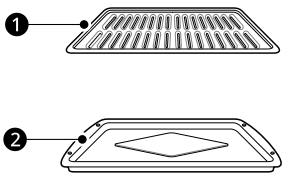
The Convection Roast feature is designed to give optimum roasting performance. Convection Roast combines cooking with the convection fan to roast meats and poultry. The heated air circulates around the food from all sides, sealing in juices and flavors. Foods are crispy brown on the outside while staying 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

❷ Broiler Pan

⚠ CAUTION

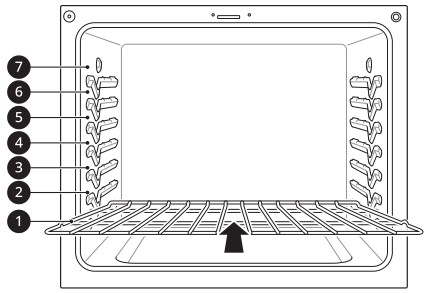
- Do not cover the roasting rack with aluminum foil.
- Position food (fat side up) on the roasting rack.
- Pressing the **POWER** button during cooking clears all settings.

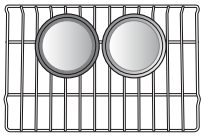
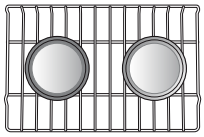
Recommended Baking and Roasting Guide

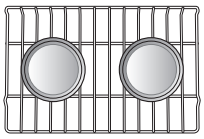
Baking results will be better if baking pans are centered in the oven as much as possible. If cooking on multiple racks, place the oven racks in the positions shown.

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	
	
Heavy duty rack (Position 1)	Heavy duty rack (Position 5)

Single rack baking

Heavy duty 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	4

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 cover the oven rack with aluminum foil. Doing so will cause a fire.
- 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.

⚠ CAUTION

- DO NOT put water or flour on the fire. Flour may be explosive and water can cause a grease fire to spread and cause personal injury.
- 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 appliance 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 **Close the door to start cooking** 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 Broil Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Broil**.

3 Tap < or drag the option card to set the cook options.

4 Tap **Temperature** and select the desired cook temperature : **Low**, or **High**.

5 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cooking time directly.

6 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

7 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

8 A chime sounds at the end of the set cook time and a notification appears in the display.

9 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

NOTE

- If the cook time is not set, the oven automatically turns off after 3 hours.
- The heating elements and fan turn off if the door is opened. They turn on again after the door is closed.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Tips for Reducing Smoke

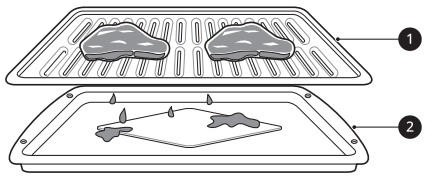
Due to the intense heat associated with broiling, it is normal to experience smoke during the cooking process. This smoke is a natural byproduct of searing and should not cause you to worry. If you are experiencing more smoke than you are comfortable with, use the following tips to reduce the amount 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 **Low** setting.
  - Lowering the rack position to cook the food farther away from the broiler.
  - Using the **High** broil setting to achieve the level of searing you desire, and then either switching to the **Low** broil setting, or switching to the Medium broil setting.
- 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.
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	
Toast	1 to 9 pieces		7	0.5-1	0.5	
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	

Food	Quantity and/or Thickness		Rack Position	First Side (min.)	Second Side (min.)	Comments
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 after half of 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.
Pork Chops Well done	2 (1/2" thick)		6	3-6	4-7	
	2 (1" thick) about 1 lb.		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 1 lb.	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.
- Do not use the gliding rack in position 7.

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

The Air Fry function is specially designed for oil-free frying.

The Air Fry mode can be programmed to cook at any temperature from 300 ℉ (150 ℃) to 550 ℉ (285 ℃). The default temperature is 400 ℉ (205 ℃).

Temperatures can reach up to 50 ℉ (10 ℃) above the set temperature for optimal crisping performance.

Setting the Air Fry Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Air Fry**.

3 Tap < or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cooking temperature directly.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cooking time directly.

5 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

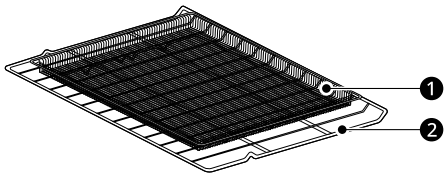
2 A pop-up notification appears on the display. Tap **Stop**.

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

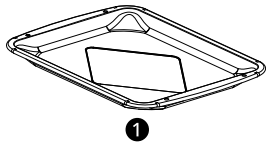
- For best results, use the provided air fry tray.
  - The mesh section of the air fry tray can be cleaned in a dishwasher.



❶ Air Fry Tray

❷ Heavy Duty Rack

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



❶ Broiler Pan

- For best results, cook food on a single rack placed in the positions suggested in the chart in this manual.
- Spread the food out evenly in a single layer.
- Use either the air fry tray 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 1 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 of chicken.

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.
- 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**) 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	15-25	
Frozen French Fries (Crinkle cut, 3/8" or 10 mm)	35	400	4	20-30	
Frozen Sweet Potato Fries	25	425	4	15-30	
Frozen Tater Tots	50	450	4	20-30	
Frozen Hash Browns	40	450	4	20-30	
POTATOES-Fresh/Homemade					
Homemade French Fries (3/8" x 3/8" or 10 x 10 mm)	25	450	4	20-30	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	25-35	
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	25-35	Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste.
Fresh Chicken Drumsticks†	70	450	4	30-40	
Thighs	40	450	4	25-35	
Breasts	40	450	4	25-35	
OTHER					
Frozen Onion Rings, Breaded	20	400	4	15-25	
Frozen Spring Rolls (0.7 oz each)	45	425	4	15-25	

Recommended Items	Quantity (oz)	Temp. (°F)	Rack Position	Time	Guide
Thin Sausage‡(2.5 oz each, diameter 0.8")	90	400	4	15-25	
Frozen Coconut Shrimp	25	400	4	15-25	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	425	4	15-25	Brush or lightly spray with 4 tbsp. of olive oil. Add salt and pepper to taste.

Air Sous-Vide

This feature is only available on some models.

Air Sous-Vide cooking uses air to cook foods "low and slow." Use it to cook meat, fish, seafood, poultry or vegetables. Food must be vacuum packed in pouches. It is not necessary to preheat the oven when using Air Sous-Vide. Refer to the cooking guide for recommended Air Sous-Vide settings.

Benefits of Air Sous-Vide

The lower temperatures and long cooking times used in Air Sous-Vide cooking provide many benefits.

- **Healthier**

  Compared to other cooking methods, sous vide retains most of the original nutrients in food.
- **Safe and Convenient**

  The long cooking times used in sous vide cooking allow food to be pasteurized. Because food is vacuum packed before cooking, the unopened pouches can be quickly chilled then easily stored after cooking.
- **Crisp and Moist Results**

  The fine temperature control of sous vide cooking is an excellent way to achieve the perfect texture when cooking meat and poultry. The low temperatures used retain more of the moisture in food than conventional cooking methods. After cooking, a final sear in a frying pan adds the perfect crisp finish.

Setting Air Sous-Vide Mode

1. Press the **POWER** button.
2. Tap **Manual Cook** and scroll to select **Air Sous-Vide**.
3. Tap < or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cook temperature directly.
4. If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time. You can also use the number pad icon to set the cooking time directly.
5. Tap **When Finished** to add a function after cooking is complete.
   - **Stay On** : Continues the previously selected cooking mode after cooking is complete.
   - **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking.

Changing the Cook Settings

1 Tap "**Temp.**" or "**Time**" to bring up the Cook Settings screen.

2 Adjust the settings using the number pad or scroll function.

3 Press the **START** button on the control panel.

To Stop Cooking

Press the **STOP** button on the control panel.

Recommended Air Sous-Vide Guide

Food	Quantity (oz)	Rack Position	Temp. (°F)	Time		
				Min	Target	Max
Beef steak	1" thick 14~17 oz	3	135	-	2.5 hr.	3 hr.
Chicken breast	4.2-5.3 oz	3	150	-	2 hr.	2.5 hr.
Chicken Thighs(bone in)	6~8 oz	3	155	-	4 hr.	6 hr.
Salmon	1" thick 7 oz	3	140	-	2 hr.	2.5 hr.
Asparagus	2.8 oz / 6 ea 5.6 oz / 12 ea	3	185	20 min.	30 min.	45 min.
Potatoes	1/2"diced up to 36 oz.	3	200	-	2.5 hr.	-
Carrots	1/2"diced up to 18 oz.	3	200	1.5 hr.	2 hr.	3 hr.

Air Roast

Air Roast is a quick and convenient way to roast without preheating.

The Air Roast mode can be programmed to cook at any temperature from 300 ℉ (150 ℃) to 550 ℉ (285 ℃). The default temperature is 400 ℉ (205 ℃). The meat probe can also be used with this mode.

Setting the Air Roast Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Air Roast**.

3 Tap < or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cook temperature directly.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cook time directly.

5 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Pizza

This system is designed to give the optimum cooking performance for pizza by automatically selecting a combination of the broil and bake heating systems.

Setting the Pizza Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Pizza**.

3 Tap < or drag the option card to set the cook options.

4 Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar.
You can also use the number pad icon to set the cook temperature directly.

5 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cook time directly.

6 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

7 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

8 A chime sounds once preheating is complete.

9 A chime sounds at the end of the set cook time and a notification appears in the display.

10 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

NOTE

- Preheating is necessary for better cooking results.
- Place the food in the oven after preheating.
- Rotate frozen pizzas halfway through cooking. Extend the cooking time as needed to meet the desired level of doneness.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Frozen Meal

The Frozen Meal function is specially designed for cooking frozen prepared meals.

No preheating is required when using the Frozen Meal mode.

Setting the Frozen Meal Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** scroll to select **Frozen Meal**.

3 Tap < or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cook temperature directly.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cook time directly.

5 Tap **When Finished** to add a function after cooking is complete.

- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to apply the modified settings to your recipe.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Dehydrate

Use this function to dry fruit, vegetables, and beef to create healthy and nutritious snacks without using chemicals and preservatives. Place parchment paper on the metal tray and spread the food in a single layer. Dehydrate temperatures range from 100 ℉ to 200 ℉.

Setting the Dehydrate Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** scroll to select **Dehydrate**.

3 Tap << or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cook temperature directly.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cook time directly.

5 Tap **When Finished** to add a function after cooking is complete.

- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking.

Changing the Dehydrate Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Dehydrate

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Warm

This function will maintain an oven temperature of less than 200 ℉ (93 ℃). It will keep cooked food warm for serving up to 3 hours after cooking has finished.

Setting the Warm Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** scroll to select **Warm**.

3 Select the desired temperature: **Low**, **Medium**, or **High**.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.You can also use the number pad icon to set the cooking time directly.

5 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking.

Changing the Warm Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Warming

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

NOTE
- The Warm function is intended to keep food warm. Do not use it to cool food down.

Proof

This feature maintains a warm oven for rising yeast-leavened products before baking.

Setting the Proof Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** scroll to select **Proof**.

3 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.You can also use the number pad icon to set the cooking time directly.

4 Tap **When Finished** to add a function after cooking is complete.
- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.

5 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

6 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking.

Changing the Proof Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

4 Tap > to return to the previous screen without making changes.

To Stop Proofing

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

NOTE
- To avoid lowering the oven temperature and lengthening proofing time, do not open the oven door unnecessarily. Check bread products early to avoid over proofing.

NOTE

- Do not use the Proofing mode for warming food or keeping food hot. The proofing oven temperature is not hot enough to keep foods at safe temperatures. Use the Warm feature to keep food warm. Proofing does not operate when the oven is above 125 ℉. "**Oven is too hot. Try again after it cools down.**" shows in the display.
- It is normal for the fan to operate during the Proof function.
- The proof feature automatically provides the optimum temperature for the proofing process, and therefore does not have a temperature adjustment.
- For best results, cover the dough with a cloth or with plastic wrap. (The plastic may need to be anchored underneath the container so the oven fan does not blow it off.)

Crispy Reheat

Crispy Reheat is a new cooking function that restores the texture of foods that have become soggy and lost their crispiness.

Setting the Crispy Reheat Mode

1 Press the **POWER** button.

2 Tap **Manual Cook** and scroll to select **Crispy Reheat**.

3 Tap < or drag the option card to set the cook options. Tap **Temperature** and set the desired cook temperature by tapping the +/- button, tapping the bar, or dragging the bar. You can also use the number pad icon to set the cooking temperature directly.

4 If desired, tap **Cook Time** or **Start at** to set the cook time or cooking start time.
You can also use the number pad icon to set the cooking time directly.

5 Tap **When Finished** to add a function after cooking is complete.

- **Keep Warm** : Keeps the food warm after cooking is complete.
- **Stay On** : Continues the previously selected cooking mode after cooking is complete.
- **Turn Off** : Turns off automatically when cooking is complete, without any additional functions operating.

6 When you have selected the desired cook settings, tap **Start** at the bottom right to begin cooking.

7 A chime sounds at the end of the set cook time and a notification appears in the display.

8 Tap **Done** to complete cooking. If needed, you can tap **+ Cook Time** to continue cooking, or tap **Keep Warm** to maintain the food at serving temperature.

Changing the Cook Settings

1 Tap < at the middle right of the screen.

2 Tap option you want to change to make adjustments.

3 Tap **Apply** at the bottom right to apply the modified settings to your recipe.

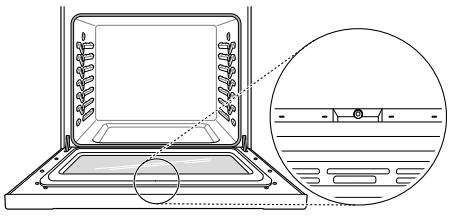
4 Tap > to return to the previous screen without making changes.

To Stop Cooking

1 Tap **Stop** at the bottom right the of screen.

2 A pop-up notification appears on the display. Tap **Stop**.

Camera



Before Using Camera

⚠ WARNING

- To avoid burns or other injuries, make sure the oven and oven door are cool before cleaning them.

⚠ CAUTION

- Do not use harsh, etching, abrasive cleaners or sharp metal scrapers to clean the oven door glass because they can scratch the surface. This may cause the camera recognition to perform poorly.

NOTE

- Before using the camera function, clean the oven door glass.
- If the oven door glass is dirty, run the Self Clean function.
- The Camera function does not operate when the oven is in a cleaning mode.
- The LED in the door stays on while the camera function is operating.

Menu Recommendation

The camera in the oven can recognize food and recommend techniques, cook times and temperatures. If the Camera function and the Menu Recommendation function are On, the oven automatically displays recommendations when you put food items in the oven and close the door.

Using Menu Recommendation

1. Put food items in the oven and close the door.
2. After the camera recognizes the item, the display shows the recommended options.
3. Select a category to filter the options.
4. Scroll through or tap the letters to find and select an item.
5. Follow the recommendations in the display regarding accessories and rack position.

NOTE

- After the camera recognizes the food item, follow the Auto Cook Guide for details.
- If the camera does not recognize the food, follow the instructions in the camera setting menu on the oven.
  - Place the food in the center of the rack on the provided accessories.
  - Clean the oven door glass around the camera if it is dirty.
  - If the menu matching issue persists, check the available menus in Auto Cook.
- The Menu Recommendation function does not operate if the oven is in any cooking mode or cleaning mode.
- The recognition rate may be affected by the container and accessories used. For best results, use the accessories provided by LG.
- The recognition rate is affected by food size, shape, and condition before cooking. For best results, follow the Auto Cook Guide.

RealTime View

See video from inside the oven while cooking using the **LG ThinQ** application. You can also take photos. The appliance must be connected to a home Wi-Fi network and the **LG ThinQ** application to use the RealTime View function.

Using RealTime View

1. Run the **LG ThinQ** application on a smartphone.
2. Select the connected oven to operate.
3. Tap "**RealTime View**".
4. Tap the ⓟ icon on the screen.
5. If the application is connected to the oven, the inside of the product can be seen on a smartphone.

NOTE

- If the inside of the product is not clearly visible through the camera, clean the oven door glass near the camera lens.

NOTE

- If the Wi-Fi is not connected, data charges may apply.
- If the network signal is not strong enough, the video could lag.
- You may appear on screen if using the oven during monitoring.
- You can monitor the oven in real time, even when the LCD is turned off in the standby mode.
- If the oven is empty or the food is not placed appropriately, the screen in the app may not display clearly.
- The surrounding wireless environment can make the wireless network service run slowly.

Cook Record

The camera can record the cooking process and make a time-lapse video. The appliance must be connected to a home Wi-Fi network and the **LG ThinQ** application to use the Cook Record function.

Using Cook Record

1. Run the **LG ThinQ** application on a smartphone.
2. Select the connected oven to operate.
3. Turn on the Cook Record function.
4. Select the desired video time: 5 seconds, 10 seconds or 20 seconds.
5. Cook while the oven is connected to Wi-Fi.
6. After the end of the cook, the time-lapse video is saved.

NOTE

- If the Wi-Fi connection of the product is unstable, the camera may not operate properly.
- Shots will be captured starting at least 4 minutes into the cook time. Videos are stored for 72 hours, and up to 10 videos can be stored at once.
- Videos are stored in the **LG ThinQ** app. They can be saved to the smartphone's album or shared.

Auto Cook

The Auto Cook function provides guidance for cooking foods or dishes that may be unfamiliar. It contains preset programs for cooking many popular food items, with information on recommended preheating, accessories, and rack position for optimal results.

Setting Auto Cook Mode

1. Press the **POWER** button and tap **Auto Cook**.
2. Select category to filter the options.
3. Scroll through or tap the letters to find and select an item.
4. Follow the recommendations in the display regarding accessories and rack position.
5. Tap **Start** at the bottom right to begin cooking.

Auto Cook Guide

- Preheat oven first for most items.
- Preheat for 5 minutes when broiling.
- If using probe, insert food and probe before preheating.

NOTE

- When cooking thin cuts of meat, insert the probe into the thickest part of the meat. If the probe is inserted incorrectly, the oven could turn off too soon. See the Probe section for instructions.

Beef				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Beef Tenderloin	2~4 lb. / Grid on broiler pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, garlic powder to taste **Instructions** Prepare beef tenderloin, trimmed. Brush or lightly spray with oil. Add salt, garlic powder and pepper to taste. Place the tenderloin on the grid on the broiler pan.
Roast Beef	2~4 lb. / Grid on broiler pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, garlic powder to taste **Instructions** Prepare beef sirloin, trimmed. Brush or lightly spray with oil. Add salt, garlic powder and pepper to taste. Place the sirloin on the grid on the broiler pan.
Prime Rib	8~12 lb. / Roasting pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, garlic powder to taste **Instructions** Prepare the bone-in prime rib. Brush or lightly spray with oil. Add salt, garlic powder and pepper to taste. Place the prime rib in the roasting pan.

Pork				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Pork Ribs	2~4 lb. / Grid on broiler pan	Refrigerated / 2		**Ingredients** Kosher salt, ground black pepper to taste **Instructions** Prepare bone-in pork ribs, trimmed. Brush or lightly spray with oil. Add salt and pepper to taste. Place the pork ribs on the grid on the broiler pan.

Pork				
Menu	**Amount** **Cookware**	**Food Temp.** **Rack Position**	**Remark**	**Instructions**
Pork Chops	1~6 EA Grid on broiler pan	Refrigerated 4		**Ingredients** Kosher salt, ground black pepper to taste **Instructions** Prepare bone-in pork chops, about 6 oz. each, trimmed. Brush or lightly spray with oil. Add salt and pepper to taste. Place the pork chops on the grid on the broiler pan.
Pork Loin	2~4 lb. Grid on broiler pan	Refrigerated 2	Probe cook	**Ingredients** Kosher salt, ground black pepper to taste **Instructions** Prepare pork loin, about 4 inches in diameter, trimmed. Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste. Place the pork loin on the grid on the broiler pan.
Pork Tenderloin	2~4 lb. Grid on broiler pan	Refrigerated 2	Probe cook	**Ingredients** Kosher salt, ground black pepper to taste **Instructions** Prepare pork tenderloin, 2~3 inches in diameter, trimmed. Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste. Place the tenderloin on the grid on the broiler pan.

Lamb				
Menu	**Amount** **Cookware**	**Food Temp.** **Rack Position**	**Remark**	**Instructions**
Rack of Lamb	2~4 lb. Grid on broiler pan	Refrigerated 2	Probe cook	**Ingredients** Canola oil, kosher salt, ground black pepper to taste **Instructions** Prepare rack of lamb, trimmed. Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste. Place the rack of lamb on the grid on the broiler pan.
Bone-in Leg of Lamb	5~7 lb. Roasting pan	Refrigerated 1	Probe cook	**Ingredients** Canola oil, kosher salt, ground black pepper to taste **Instructions** Prepare bone-in leg of lamb, trimmed. Brush or lightly spray with 1 tbsp. of oil. Add salt and pepper to taste. Place the leg of lamb in the roasting pan.

Sausage			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Italian Sausage	1~8 EA	Refrigerated	Prepare sausages, about 3.5 oz. each. Spray a rimmed sheet pan with cooking spray. Place the Italian sausages on the half sheet pan and space the sausages 1 1/2 in. apart from each other.
	1/2 Sheet Pan	2	
Hot dog	1~8 EA	Refrigerated	Prepare hot dogs, about 2 oz. each. Spray a rimmed sheet pan with cooking spray Place the hot dogs on the half sheet pan and space the hot dogs 1 1/2 in. apart from each other.
	1/2 Sheet Pan	2	

Fish			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Fish Fillet	1~4 EA	Refrigerated	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the fish fillets, about 7 oz. each, and about 1~1.5 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the fillets on the grid on the broiler pan.
	Grid on broiler pan	4	
Cod Fillet	1~4 EA	Refrigerated	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the cod fillets, about 7 oz. each, and about 1~1.5 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the fillets on the grid on the broiler pan.
	Grid on broiler pan	4	
Salmon Fillet	1~4 EA	Refrigerated	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the salmon fillets, about 7 oz. each, and 3/4 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the fillets on the grid on the broiler pan.
	Grid on broiler pan	4	
Baked Shrimp	1~2 lb.	Refrigerated	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the shrimp, peel and devein (if necessary). Brush or lightly spray with oil. Add salt and pepper to taste. Place the shrimp on the grid on the broiler pan.
	Grid on broiler pan	4	
Tilapia Fillet	1~4 EA	Refrigerated	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the tilapia fillets, about 7 oz. each, and about 1~1.5 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the fillets on the grid on the broiler pan.
	Grid on broiler pan	4	

Fish			
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Instructions**
Lobster Tails	1~2 EA / Grid on broiler pan	Refrigerated / 4	**Ingredients** Salt, pepper to taste, 1 tbsp butter - melted **Instructions** Prepare the lobster tails, about 5 oz. each. Butterfly the lobster tails. Brush with melted butter. Add salt to taste. Place the lobster tails on the grid on the broiler pan.
Salmon Steak	1~4 EA / Grid on broiler pan	Refrigerated / 4	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the salmon steaks, about 7 oz. each, and about 1.5~2 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the salmon on the grid on the broiler pan.
Tuna Steak	1~4 EA / Grid on broiler pan	Refrigerated / 1	**Ingredients** Salt, pepper, oil to taste **Instructions** Prepare the tuna steaks, about 7 oz. each, and about 1.5~2 in. thick. Brush or lightly spray with oil. Add salt and pepper to taste. Place the tuna on the grid on the broiler pan.

Poultry				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Spatchcock Chicken	4~6 lb / chicken / Grid on broiler pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, to taste **Instructions** Prepare the chicken, about 4~6 lb. Spatchcock the chicken by removing the backbone. Add salt, pepper and herbs to taste. Place the chicken with the skin side up on the grid on the broiler pan.
Chicken Drumsticks	4~16 EA / Grid on broiler pan	Refrigerated / 4		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the chicken drumsticks, about 4 oz. each. Brush or lightly spray with oil. Add salt and pepper to taste. Place the chicken drumsticks on the grid on the broiler pan.
Fresh Chicken Wings	10~20 EA / Grid on broiler pan	Refrigerated / 4		**Ingredients** Salt, pepper, oil to taste **Instructions** Prepare the fresh chicken wings, about 3 oz. each. Brush or lightly spray with oil. Add salt and pepper to taste. Place the fresh chicken wings on the grid on the broiler pan.

Poultry				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Frozen Buffalo Wings	10~20 EA / Grid on broiler pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the frozen chicken wings, about 3 oz. each. Add salt and pepper to taste, if necessary. Place the frozen chicken wings on the grid on the broiler pan.
Frozen Chicken Wings (Raw)	10~20 EA / Grid on broiler pan	Refrigerated / 4		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the frozen chicken wings, about 3 oz. each. Add salt and pepper to taste, if necessary. Place the frozen chicken wings on the grid on the broiler pan.
Chicken Breasts	1~8 EA / Grid on broiler pan	Refrigerated / 4		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the fresh chicken breasts, about 6 oz. each. Brush or lightly spray with oil. Add salt and pepper to taste. Place the chicken breasts on the grid on the broiler pan.
Whole Chicken	5~7 lb / chicken / Grid on broiler pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, to taste **Instructions** Prepare the whole chicken, about 5~7 lb. Truss the chicken. Add salt and pepper to taste. Place the whole chicken on the grid on the broiler pan.
Turkey Breasts	1~4 EA / Grid on broiler pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** Prepare the turkey breasts, about 3 lb. each. Brush or lightly spray with oil. Add salt and pepper to taste. Place the turkey breasts on the grid on the broiler pan.
Whole Turkey	12~16 lb. / Roasting pan	Refrigerated / 1	Probe cook	**Ingredients** Kosher salt, ground black pepper, to taste **Instructions** Prepare the whole turkey, about 12~16 lb. Add salt and pepper to taste. Place the whole turkey in the roasting pan.
Turkey with Stuffing	12~16 lb. / Roasting pan	Refrigerated / 2	Probe cook	**Ingredients** Kosher salt, ground black pepper, to taste **Instructions** Prepare the turkey, about 12~16 lb. Add stuffing to the cavity of the turkey. Add salt and pepper to taste. Place the turkey with stuffing in the roasting pan.

Poultry				
Menu	**Amount**	**Food Temp.**	**Remark**	**Instructions**
	Cookware	**Rack Position**		
Spatchcock Turkey	7~12 lb.	Refrigerated	Probe cook	**Ingredients** Kosher salt, ground black pepper, to taste **Instructions** Prepare the turkey, about 7~12 lb. Spatchcock the turkey by removing the backbone. Add salt, pepper and herbs to taste. Place the turkey with the skin side up in the roasting pan.
	Roasting pan	2		

Casseroles				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Homemade Lasagna	1 casserole (serves 6) / 13 x 9 inch baking dish	Room / 3	When the oven beeps, remove the cover on the food.	**Ingredients** 1 lb. ground beef, cooked 32 oz ricotta cheese 2 cups mozzarella cheese 1/2 cup grated parmesan cheese 2 eggs 2 24-oz jars tomato sauce 1 box no-boil lasagna sheets **Instructions** Serves 6 1) Combine the ricotta cheese, 1 cup of mozzarella cheese and 1/4 cup of parmesan cheese in a bowl. Add the eggs and combine. 2) Spread 1 cup of tomato sauce on the bottom of the baking dish. 3) Lay down 4 lasagna sheets, then 1 cup tomato sauce and 1/2 of the ricotta cheese mixture. Top with half of the cooked meat. 4) Repeat step 3. 5) Top with 4 more lasagna sheets and the remaining tomato sauce. 6) Sprinkle with the remaining mozzarella and parmesan cheeses. 7) Place the baking dish on the rack for the image recognition. 8) Remove the baking dish while preheating and cover with foil. 9) After preheating, place the covered baking dish on the rack. 10) When the oven beeps, remove the foil. 11) Continue baking until cooking is complete.

Casseroles				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Homemade Mac & Cheese	1 casserole (serves 6) / 13 x 9 inch baking dish	Room / 2		**Ingredients** Bread Crumb Topping 1 cup panko bread crumbs 2 tbsp unsalted butter, melted Macaroni 1 pound elbow macaroni pasta Cheese Sauce 4 tbsp unsalted butter 1/3 cup all-purpose flour 1 tsp ground mustard 1 tsp ground paprika 5 cups half and half 4 oz processed cheese 12 oz sharp white cheddar cheese, shredded 4 oz smoked gouda cheese, shredded 1 tsp Sriracha sauce **Instructions** Serves 6 Bread Crumb Topping In a bowl, combine the bread crumbs and the melted butter; set aside. Macaroni Cook the pasta in a large pot of boiling, salted water until al dente, according to the package recommendations. Drain and set aside.

Casseroles				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Homemade Mac & Cheese	1 casserole (serves 6) / 13 x 9 inch baking dish	Room / 2		Cheese Sauce 1) In the same pot the pasta was cooked in, melt the 4 tbsp butter over medium heat. Add the flour and stir to combine with the butter. 2) Stir the ground mustard and paprika into the butter-flour mixture. Cook this mixture for 2 minutes, stirring frequently. 3) Whisk in the half and half slowly to avoid lumps. 4) Bring the half and half and butter-flour mixture to a simmer, stirring occasionally all the way to the bottom of the pot. 5) Lower the heat and stir frequently for five minutes until the sauce has thickened. 6) Add the processed cheese and stir to melt it into the sauce. 7) Off the heat, add the cheddar and gouda cheeses, a little bit at a time, until all the cheeses are melted into the sauce. 8) Stir in the Sriracha sauce. 9) Add the drained pasta and stir to combine with the cheese sauce. 10) Transfer the pasta and cheese sauce mixture to a casserole dish. 11) Top evenly with the bread crumb mixture. 12) After preheating, place the baking dish in the oven.

<table>
<tr><th colspan="5">Casseroles</th></tr>
<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Remark</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Gratin Potatoes</td><td>1 casserole (Serves 6~8)</td><td>Room</td><td rowspan="2">When the oven beeps, remove the cover on the food.</td><td rowspan="2">Ingredients
1 tbsp unsalted butter, room temperature
1 garlic clove, smashed
2 1/2 pounds Yukon Gold potatoes or 4-5 russet potatoes, washed
2 1/2 cups heavy cream
4 oz Gruyere or Parmesan cheese, grated
kosher salt and ground black pepper to taste
Instructions
1) Generously butter the casserole dish.
2) Rub the smashed garlic clove all over the buttered casserole dish.
3) Cut the potatoes into 1/8 inch thick slices using a knife or a mandolin.
4) Build the dauphinoise by placing a portion of the heavy cream onto the bottom of the casserole dish.
5) Follow this with some of the sliced potatoes, the cheese, and salt and pepper.
6) Add more of the heavy cream and repeat with the potatoes, cheese, and salt and pepper.
7) Continue to build and layer the potatoes to fill the casserole dish.
8) Place the baking dish on the rack for the image recognition.
9) Remove the baking dish while preheating the oven and cover the top layer of potatoes with parchment paper. Press down on the paper so it touches the potatoes.
10) After preheating, place the covered baking dish directly on the rack.
11) When the oven beeps, remove the parchment paper.</td></tr>
<tr><td>13 x 9 inch baking dish</td><td>2</td></tr>
</table>

Pizza			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Frozen Thin Crust	1 pizza (about 18.5 oz)	Frozen	1) Remove the pizza from the packaging. 2) Place the pizza directly on the rack for the image recognition. 3) Remove the pizza while preheating the oven. 4) After preheating, place the pizza directly on the rack.
	Directly On Rack	4	
Frozen Rising Crust	1 pizza (about 29 oz)	Frozen	1) Remove the pizza from the packaging. 2) Place the pizza directly on the rack for the image recognition. 3) Remove the pizza while preheating the oven. 4) After preheating, place the pizza directly on the rack.
	Directly On Rack	4	
Homemade Pizza	14-inch pizza (serves 6~8)	Room	**Ingredients** Dough 8 oz all-purpose flour 1/2 tbsp kosher salt 1/2 cup warm water, about 115 ℉ 1/8 tsp sugar 1/2 tbsp active dry yeast 1 tbsp olive oil + more for brushing Homemade Sauce 1 28-oz can of whole peeled tomatoes (preferably San Marzano) 1 6-oz can of tomato paste, 1 tbsp fresh basil, roughly chopped 2 tbsp olive oil, or olive oil blend, 1 tbsp kosher salt 1/2 tsp black pepper, 1 tbsp granulated garlic, 1 tbsp sugar ※ Store bought sauce can be used instead for simplicity. Pizza 1/2 to 3/4 cup sauce, 8 oz shredded mozzarella cheese
	On Pizza pan	4	

Pizza			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Homemade Pizza	14-inch pizza (serves 6~8)	Room	**Instructions** Dough 1) In the bowl of an electric stand mixer, whisk together the flour and salt. 2) In a separate bowl, add the water, sugar, yeast, and olive oil. 3) Whisk together the yeast mixture. Set it aside until it foams and bubbles, about 3-5 minutes. 4) Place the mixer bowl onto the mixer stand and attach the dough hook. 5) Add the yeast mixture to the flour and begin mixing the dough on medium speed for 8 1/2 minutes. If the dough is not completely combined, mix for another minute. If the dough is sticking to the bowl, add another 1/4 cup of flour and mix for another minute. If the dough is too dry, add another 1/4 cup of water and mix for another minute. 6) Pick the dough up and begin to form a ball by gently folding the dough under itself. 7) Place onto a lightly oiled sheet pan. 8) Brush the dough ball with olive oil to keep it moist. 9) Cover with plastic wrap and allow dough to rise until doubled in size, about an hour or so. 10) Turn the dough ball onto a lightly floured surface. 11) Begin shaping the dough ball by pressing down with your fingertips into the dough to form a 6-inch-round circle. 12) Use a small amount of flour as needed to prevent sticking.
	On Pizza pan	4	

Pizza			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Homemade Pizza	14-inch pizza (serves 6~8)	Room	Sauce 1) Open the cans of tomatoes and empty them into a blender. 2) Roughly chop the basil. 3) Add the tomato paste, chopped basil, and spices to the blender. 4) Blend the ingredients until the sauce is well blended, about 30 seconds. Pizza 1) To stretch the dough, place the dough onto a lightly floured surface and gently press into a circle, flipping several times and adding a pinch of flour if the dough is sticky. Once you have a 6- or 8-inch circle, begin rolling with the rolling pin to gently stretch the dough, turning it slightly to keep the circle shape. 2) Place your pizza dough onto a lightly floured pizza peel or nonstick pizza pan. You can cut the dough with a pizza cutter to form a circle or to make it smaller. 3) Use a dough docker or fork to make indents in the dough. 4) These holes prevent bubbles in your pizza crust. 5) Evenly spread the sauce over the entire surface of the dough, leaving a 1-inch gap around the outer edge of the dough. 6) Place the cheese on top of the sauce. 7) Leave about a half-inch border from the sauce edge. The cheese is going to spread and will stay on top of your pizza this way. 8) Place the pizza pan or peel in the oven for image recognition. 9) Remove the pizza while preheating. 10) After preheating, place the pizza pan on the rack or use the peel to transfer the pizza to a pizza stone. 11) After cooking, cool for 5 minutes before slicing.
	On Pizza pan	4	

Pastry			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Refrigerated Croissants	2~8 EA	Refrigerated	Prepare the croissants. Roll the croissant triangles into croissant shapes. Place the croissants on the ungreased half sheet pan. Place the half sheet pan in the oven for image recognition. Remove the half sheet pan while preheating. After preheating, place the half sheet pan with the croissants back in the oven.
	1/2 Sheet Pan	3	
Frozen Dinner Rolls	1~6 EA	Frozen	Place the frozen dinner rolls on the half sheet pan. Place the half sheet pan in the oven for image recognition. Remove the half sheet pan while preheating. After preheating, place the half sheet pan with the frozen dinner rolls back in the oven.
	1/2 Sheet Pan	3	
Refrigerated Cinnamon Rolls	1 can(8 rolls)	Refrigerated	Prepare the Cinnamon Rolls. Place the rolls with cinnamon side up on an ungreased cake pan. Place the cake pan in the oven for image recognition. Remove the cake pan while preheating. After preheating, place the cake pan with the cinnamon rolls back in the oven.
	9 inch round cake pan	3	

Vegetables				
Menu	**Amount**	**Food Temp.**	**Remark**	**Instructions**
	Cookware	**Rack Position**		
Baby Carrots	15~30 oz	Refrigerated		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Wash and peel (if necessary) the baby carrots. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the baby carrots on the half sheet pan.
	1/2 Sheet Pan	3		
Carrots, Diced	15~30 oz	Refrigerated		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Peel and cut carrots into 1/2~3/4 in. cubes. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the carrots on the half sheet pan.
	1/2 Sheet Pan	3		

Vegetables				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
White Mushrooms	5~20 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) If desired, cut mushrooms into halves. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the mushrooms on the half sheet pan.
Asparagus	5~20 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Trim the heartier, woody ends of the asparagus and discard. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the asparagus on the half sheet pan.
Broccoli	15~30 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Cut the broccoli into bite-size florets. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the broccoli on the half sheet pan.
Cauliflower	15~30 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Cut the cauliflower into bite-size florets. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the cauliflower on the half sheet pan.
Brussels Sprouts	15~30 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Cut brussels sprouts in half, or in quarters if they are large. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the brussels sprouts on the half sheet pan.

Vegetables				
Menu	**Amount**	**Food Temp.**	**Remark**	**Instructions**
	Cookware	**Rack Position**		
Beets, Diced	15~30 oz	Refrigerated		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Peel and cut beets into 1/2~3/4 in. cubes 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the diced beets on the half sheet pan.
	1/2 Sheet Pan	3		
Sweet Potatoes, Diced	15~30 oz	Room		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Peel and cut sweet potatoes into 1/2~3/4 in. cubes. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the diced sweet potatoes on the half sheet pan.
	1/2 Sheet Pan	3		
Sweet Potato, Whole	1~4 EA (8 oz each)	Room		1) Wash and prick the skin all over the sweet potatoes. 2) Place the sweet potatoes directly on the rack.
	Directly On Rack	3		
Cherry Tomatoes	15~30 oz	Refrigerated		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Wash the cherry tomatoes. 2) Remove stems, if present. 3) Brush or lightly spray with oil. 4) Add salt and pepper to taste. 5) Place the cherry tomatoes on the half sheet pan.
	1/2 Sheet Pan	3		
Corn on the Cob	1 sheet (8~12 oz each)	Refrigerated	When oven beeps, turn food over.	**Ingredients** Kosher salt, ground black pepper, to taste, 1/2 tbsp. of oil per (1/2) piece **Instructions** 1) Remove husks and silk from corn cobs and cut cobs in half. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the corn on a half sheet pan. 5) When the oven beeps, turn the food over.
	1/2 Sheet Pan	3		

Vegetables				
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Remark**	**Instructions**
Green Beans	10~20 oz / 1/2 Sheet Pan	Refrigerated / 3		**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Wash the green beans. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the green beans on a half sheet pan.

Potatoes			
Menu	**Amount** / **Cookware**	**Food Temp.** / **Rack Position**	**Instructions**
Home Fries	15~30 oz / 1/2 Sheet Pan	Room / 3	**Ingredients** For 15 oz of Yukon Gold potatoes 2 tbsp olive oil 1 tsp kosher salt 1/2 tsp ground black pepper 1 tsp smoked paprika 1/2 tsp garlic powder 2 tbsp chopped parsley, for garnish **Instructions** 1) Dice potatoes into 1" cubes and place on half sheet pan. 2) Season the potatoes with salt, spices, and olive oil. Mix thoroughly. 3) Roast for 20 min depending on the size, stirring halfway through the cooking process. 4) Garnish with fresh herbs for color and serve immediately.
Potato Wedges	15~30 oz / 1/2 Sheet Pan	Room / 3	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Wash and cut the potatoes into wedges. 2) Brush or lightly spray with oil. 3) Add salt and pepper to taste. 4) Place the potatoes on a half sheet pan.

Potatoes			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Smashed Potatoes	15~30 oz	Room	**Ingredients** Kosher salt, ground black pepper, oil to taste **Instructions** 1) Cook russet potatoes in boiling water for 15 minutes and then strain and chill. 2) Combine all spices in a small mixing bowl. 3) Smash the potatoes using the side of a knife to flatten. 4) Place smashed potatoes on a half sheet pan. 5) Add olive oil and seasoning.
	1/2 Sheet Pan	3	

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Apple Pie	9" pie (serves 6)	Room	**Ingredients** Pie Crust 2 1/2 cups pastry flour, 1 tsp salt, 1 tsp sugar 2 sticks unsalted butter, cut into small pieces and well chilled 4-6 tbsp ice water, as needed Apples 8 tart apples, like Granny Smith 2 tbsp lemon juice, 1/4 cup sugar, 1/2 tsp ground cinnamon 1/2 tsp kosher salt, 1 tbsp unsalted butter, cut into small pieces **Instructions** Pie Crust 1) Use a food processor with a blade attachment to combine the pastry flour, salt and sugar. 2) Add the chilled butter pieces and pulse until it resembles coarse meal. 3) Add ice cold water a tablespoon at a time and mix until the dough just comes together. 4) Turn the dough onto a lightly floured counter and bring the dough together. 5) Divide the dough into 2 equal portions and flatten each into a disk. Wrap each in plastic wrap and refrigerate for an hour.
	Pie pan directly on rack and catch pan on rack below	3	

<table>
<tr><th colspan="4">Dessert</th></tr>
<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Apple Pie</td><td>9" pie (serves 6)</td><td>Room</td><td rowspan="2">Apples
1) Peel, core, quarter and thinly slice the apples and place them in a large bowl.
2) Toss the apples with the lemon juice, followed by the sugar, cinnamon, and kosher salt.
To Assemble the Pie
1) On a well floured counter, roll each pie dough out to 12 inches in diameter. Use one rolled out pie dough to line a deep pie pan.
2) Add the apples to the pie pan and dot with 1 tbsp butter.
3) Use the other pie dough to cover the filling. Tuck the top crust under the bottom crust all around. Pinch together to close.
4) Cut a few slits in the top crust to allow steam to escape. In a small bowl, combine 1 egg and 1 tbsp milk. Brush the egg wash over the top crust.
5) Place the pie in the oven for image recognition.
6) Remove the pie while preheating the oven.
7) After preheating, place the pie pan directly on the rack and a foil-lined catch pan on the rack below.
8) Cool on a rack for 1 hour before serving.</td></tr>
<tr><td>Pie pan directly on rack and catch pan on rack below</td><td>3</td></tr>
</table>

<table>
<tr><th colspan="4">Dessert</th></tr>
<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Brownies</td><td>1 Pan (serves 6)</td><td>Room</td><td rowspan="2">Ingredients
1/2 stick unsalted butter, 6 oz semisweet chocolate, chopped
1/2 cup dark brown sugar, 1 cup sugar, 3 large eggs
1/4 cup cocoa powder, 1/2 tsp kosher salt
1/2 cup + 2 tbsp all-purpose flour
Instructions
Serves 6
1) Line an 8"x8" baking pan with parchment paper.
2) In a microwave-safe bowl, combine the butter and chocolate.
3) Microwave in short intervals and stir after each interval until melted and smooth.
4) Add the sugars and whisk until combined.
5) Add the eggs one at a time, mixing until incorporated.
6) Sift the cocoa powder, salt and flour into the bowl and mix until combined.
7) Pour the batter into the 8"x8" baking pan.
8) Place the baking pan in the oven for image recognition.
9) Remove the pan while preheating the oven.
10) After the oven preheats, place the pan back in the oven.
11) After cooking, let the brownies cool for 15 minutes in the pan before slicing.</td></tr>
<tr><td>8x8 inch pan</td><td>3</td></tr>
</table>

<table>
<tr><th colspan="4">Dessert</th></tr>
<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Scones</td><td>1 sheet of 24 scones</td><td>Room</td><td rowspan="2">Ingredients
2 1/4 cups pastry flour, 2 tsp sugar, 2 tbsp + 1 tsp baking powder
4 1/2 tsp kosher salt, 3 sticks unsalted butter, chilled and cut into small pieces 6 cups all-purpose flour, 3 cups buttermilk
Instructions
Makes 24 scones
1) Use a food processor with the blade attachment to combine the pastry flour, sugar, baking powder and salt.
2) Add the chilled butter pieces and pulse until the mixture resembles coarse meal.
3) In a large bowl, combine the all-purpose flour with the mixture from the food processor.
4) Add the buttermilk and mix until the dough comes together.
5) Turn the dough onto a floured surface and roll out to 1 1/2 in. thick.
6) Cut the dough into the desired shape or use a round biscuit cutter.
7) Transfer the cut scones to a parchment lined half sheet pan.
8) Place the half sheet pan in the oven for image recognition.
9) Remove the half sheet pan while preheating the oven.
10) After the oven preheats, place the scones back in the oven to cook.</td></tr>
<tr><td>1/2 Sheet Pan</td><td>3</td></tr>
</table>

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Sponge Cake	2 cakes	Room	**Ingredients** 1 cup cake flour, 6 large eggs, separated 1 cup sugar, 3/4 cup sugar for egg yolks, 1/4 cup sugar for egg whites 2 tsp vanilla, 1/4 tsp salt **Instructions** 1) Grease the bottom and sides of two 9" cake pans with unsalted butter. Line the bottoms of the cake pans with parchment paper and butter the paper. Dust the pans with all-purpose flour. 2) Use an electric mixer with a whisk attachment to combine the egg yolks with 3/4 cup sugar. Beat on medium high for 5 minutes until the egg yolk mixture is thick and pale in color. 3) In a clean bowl, use an electric mixer with a whisk attachment to beat the egg whites until soft peaks form. Slowly add 1/4 cup sugar and continue beating until stiff, glossy peaks form. 4) Fold 1/3 of the yolk mixture at a time into the whipped whites. 5) Sift the cake flour over the egg mixture and gently fold it in. 6) Divide the batter equally between the pans. 7) Place the pans in the oven for image recognition. 8) Remove the pans while preheating the oven. 9) After preheating the oven, place the pans in the oven and bake. 10) Let the cakes cool for 5 minutes before inverting onto a cooling rack.
	9 in. cake pans	3	

<table>
<tr><th colspan="4">Dessert</th></tr>
<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Cheesecake</td><td>1 cake (serves 6~8)</td><td>Room</td><td rowspan="2">Ingredients
Cookie Crust
1 stick unsalted butter, room temperature
2 tbsp granulated sugar, 1 cup brown sugar, 1 egg
1 cup all-purpose flour, 1/4 tsp baking soda
1/8 tsp baking powder, 1/4 tsp salt
Cheesecake Batter
2 lb. cream cheese, room temperature, 1 1/2 cups granulated sugar
2 eggs, 2 egg yolks, 5 tbsp heavy cream, 1/2 tsp vanilla extract
Instructions
Cookie Crust
1) Preheat the oven to 350 ℉ in the Bake mode.
2) Pan spray and line the 9" springform cake pan with parchment paper.
3) Place the butter in the bowl of a stand mixer and begin to soften it with the paddle attachment.
4) Add the sugar and brown sugar and cream them with the butter until well blended, 3 to 5 minutes.
5) Add the egg to the mixture and combine.
6) Add the flour, baking soda, baking powder and salt to the mixer bowl and mix gently until just combined.
7) Remove the bowl from the mixer and empty it into the prepared pan. Gently press the cookie dough down to line the entire bottom of the springform pan.
8) Place the pan in the oven and bake for 20 minutes.
9) Allow the cookie to cool while preparing the cheesecake batter.</td></tr>
<tr><td>9" springform pan in water bath</td><td>3</td></tr>
</table>

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Cheesecake	1 cake (serves 6~8)	Room	Cheesecake Batter 1) Place the cream cheese in the bowl of a stand mixer and mix to soften it. 2) Add the sugar and mix until well combined, about 5 minutes. 3) Add the eggs and egg yolks slowly to ensure they are well combined. 4) Add the heavy cream and vanilla extract and mix until just combined. 5) Pour the batter on top of the cooled cookie crust in the springform pan. 6) Wrap the bottom of the springform pan with foil, carrying it up the sides. 7) Place the foil-wrapped springform pan into a larger casserole dish. 8) Add just enough water to the casserole dish to reach up the sides of the pan but not above the foil. 9) Place the cheesecake in the oven for image recognition. 10) Remove the cheesecake while the oven is preheating. 11) After preheating, place the casserole dish with the cheesecake in the oven and bake. 12) Allow the cake to cool in the water bath for 1 hour. After an hour, remove it from the water bath and place it in the refrigerator overnight in the springform pan.
	9" springform pan in water bath	3	

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Chocolate Chip Cookies	36 cookies (12 to a sheet)	Room	**Ingredients** (Makes 3 dozen cookies) 2 1/2 sticks salted butter, 1 1/4 cups brown sugar, 1 cup + 2 tbsp sugar 2 large eggs, 1 tsp vanilla extract, 3 2/3 cups all-purpose flour 1 1/4 tsp baking powder, 1 1/4 tsp baking soda 1 1/4 tsp fine sea salt, 20 oz chocolate chips **Instructions** Cooked 12 to a sheet pan. 1) Cream the butter with the sugars in an electric mixer until light, about 5 minutes. Scrape down the bowl and paddle as needed. 2) Add the eggs one at a time, mixing well after each addition. 3) Scrape down the bowl and paddle and add the vanilla. 4) Sift the flour, powder, baking soda and salt together. 5) Add the dry mixture to the wet mixture. 6) Scrape down the bowl and paddle. 7) Fold in the chocolate chips. 8) Line half sheet pans with parchment paper. 9) Scoop the cookie dough onto the pans in a 3x4 pattern. 10) Place a half sheet pan in the oven for image recognition. 11) Remove the half sheet pan while preheating the oven. 12) After preheating, place the half sheet pan in the oven. Bake the cookies one half sheet pan at a time.
	1/2 Sheet Pan	3	

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<tr><th rowspan="2">Menu</th><th>Amount</th><th>Food Temp.</th><th rowspan="2">Instructions</th></tr>
<tr><th>Cookware</th><th>Rack Position</th></tr>
<tr><td rowspan="2">Baguette</td><td>2 demi baguettes</td><td>Room</td><td rowspan="2">Ingredients
0.25 oz package active dry yeast, about 3/4 tbsp of yeast
11 oz water, about 100 ℉
18 oz bread flour
1 tbsp of salt
Instructions
1) In a small bowl dissolve the yeast in the warm water using a whisk.
2) Add the yeast and water mixture to the bowl of an electric mixer.
3) Add the bread flour and salt to the bowl.
4) Use the dough hook to mix the dough on low speed for 7 minutes.
5) Place the dough into a bowl and let it rise for 30 minutes or until doubled in size.
6) Punch the dough down and let it rise again until doubled in size.
7) Remove the dough and place it on a work surface.
8) Divide the dough into 2 equal pieces.
9) Shape each piece into a small baguette.
10) Place the baguettes onto a parchment lined half sheet pan.
11) Cover the baguettes with plastic wrap and allow to double in size.
12) After the baguettes have doubled in size, use a serrated knife and slash each baguette with 3 four inch long, half inch deep, diagonal slashes.
13) Place the baguettes on the half sheet pan.
14) Place the half sheet pan in the oven for image recognition.
15) Remove the half sheet pan while preheating the oven.
16) After preheating, place the half sheet pan back in the oven.</td></tr>
<tr><td>1/2 Sheet Pan</td><td>3</td></tr>
</table>

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Fruit Tart	1 tart	Room	**Ingredients** Tart Dough 2 cups all-purpose flour, 1 1/2 tbsp sugar, 1 tbsp brown sugar 1 1/2 sticks unsalted butter, cold and cut into small pieces 1 whole egg, 1 egg yolk, 2 tbsp ice water Pastry Cream 2/3 cup sugar, 1/4 cup cornstarch pinch of kosher salt, 2 large eggs, 2 cups milk 2 tbsp unsalted butter, cut into small pieces, 2 tsp vanilla **Instructions** Tart Dough 1) Place the flour and sugars into the work bowl of a food processor and pulse to combine. 2) Add the cold pieces of butter and pulse until the mixture resembles coarse meal. 3) Add the whole egg, egg yolk and the ice water and pulse until the dough just forms a ball. 4) Remove from the work bowl and form into a disc. Wrap the dough in plastic wrap and place it in the refrigerator while the filling is being made. Pastry Cream 1) In a saucepan, combine the sugar and milk. Gently warm it to a lazy simmer. 2) In a bowl, combine the eggs, cornstarch, salt and vanilla. Add the warm milk mixture to the egg mixture in small amounts to temper the eggs and avoid cooking them. 3) Return everything back to the saucepan and cook the custard until it thickens and begins to bubble. 4) Strain through a fine mesh strainer and stir in the butter. Cool the pastry cream to room temperature before using.
	Tart pan	3	

Dessert			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Fruit Tart	1 tart	Room	To Assemble the Tart 1) Remove the tart dough from the refrigerator. 2) Place the dough on a lightly floured work surface. 3) Sprinkle a little more flour on the dough and roll the dough out to 1/8" thick. 4) Gently spray the tart pan with pan spray and line the tart pan with the dough. 5) Place the tart pan in the oven for image recognition. 6) Remove the tart pan while preheating the oven. 7) After preheating the oven, place the tart pan back in the oven. 8) After cooking, allow the tart shell to cool completely before adding the pastry cream and decorating with fresh fruit.
	Tart pan	3	
Muffins	1 Pan	Room	**Ingredients** 2 cups all-purpose flour, 1/2 cup sugar, 2 tsp baking powder 1/2 tsp kosher salt, 3/4 cup milk 1/2 cup unsalted butter, melted and cooled, 2 large eggs **Instructions** 1) Line a muffin pan with paper liners and set aside. 2) In a small bowl, whisk the flour, sugar, baking powder, and salt together. 3) In a medium bowl, whisk the milk, butter, and eggs together until well combined. 4) Add the dry ingredients to the wet ingredients and stir with a silicone spatula just until combined. 5) Divide the batter evenly between the muffin cups. 6) Place the muffin pan in the oven for image recognition. 7) Remove the muffin pan while preheating the oven. 8) After preheating is done, place the muffin pan in the oven.
	Muffin pan	3	

Toast				
Menu	**Amount**	**Food Temp.**	**Remark**	**Instructions**
	Cookware	**Rack Position**		
Bagels	1~4 EA	Room		Slice the bagels in half along the narrow edge. Place the bagels with the inner side up on the grid on the broiler pan.
	Grid on broiler pan	5		

Toast				
Menu	Amount / Cookware	Food Temp. / Rack Position	Remark	Instructions
Bread Slices	1~4 EA / Grid on broiler pan	Room / 5	When oven beeps, turn food over	Place bread slices on the grid on the broiler pan. When the oven beeps, flip the bread over.
English Muffins	1~4 EA / Grid on broiler pan	Room / 5		Slice the English muffins in half along the narrow edge. Place the English muffins with the inner side up on the grid on the broiler pan.

Frozen Products			
Menu	Amount / Cookware	Food Temp. / Rack Position	Instructions
Chicken Nuggets	10~40 EA (0.6 oz each) / Air Fry Tray	Frozen / 4	Place frozen chicken nuggets on the LG air fry tray with a catch pan below.
Chicken Tenders	6~24 EA (1 oz each) / Air Fry Tray	Frozen / 4	Place frozen chicken tenders on the LG air fry tray with a catch pan below.
Mozzarella Sticks	6~24 EA (1 oz each) / Air Fry Tray	Frozen / 4	Place frozen mozzarella sticks on the LG air fry tray with a catch pan below.
Mac & Cheese	1 casserole (40oz) / 1/2 Sheet Pan	Frozen / 3	1) Remove casserole from packaging. 2) Place the casserole on the half sheet pan in the oven for image recognition. 3) Remove the casserole and half sheet pan while preheating the oven. 4) After preheating, place the half sheet pan with the frozen mac and cheese back in the oven.
Burritos	1~8 EA (5 oz each) / 1/2 Sheet Pan	Frozen / 3	1) Remove burritos from packaging. 2) Place the burritos on the half sheet pan in the oven for image recognition. 3) Remove the burritos and the half sheet pan while preheating the oven. 4) After preheating, place half sheet pan with burritos back in the oven.
Biscuits	5~20 EA (2 oz each) / Air Fry Tray	Frozen / 4	Remove the package and place the frozen biscuits on the LG air fry tray with a catch pan below.

Frozen Products			
Menu	**Amount**	**Food Temp.**	**Instructions**
	Cookware	**Rack Position**	
Tater Tots	1~4 servings	Frozen	Place the frozen tater tots on the LG air fry tray with a catch pan below. 1 serving is about 12 oz.
	Air Fry Tray	3	
French Fries Straight	1~4 servings	Frozen	Place frozen french fries on the LG air fry tray with a catch pan below. 1 serving is about 5 oz.
	Air Fry Tray	4	
French Fries Crinkled	1~4 servings	Frozen	Place frozen french fries on the LG air fry tray with a catch pan below. 1 serving is about 8 oz.
	Air Fry Tray	4	
Hash Browns Patties	4~16 EA (2.3 oz each)	Frozen	Place frozen hash browns on the LG air fry tray with a catch pan below.
	Air Fry Tray	4	
Sweet Potato Fries	1~4 servings	Frozen	Place frozen sweet potato fries on the LG air fry tray with a catch pan below. 1 serving is about 6 oz.
	Air Fry Tray	4	
Onion Rings	1~4 servings	Frozen	Place frozen onion rings on the LG air fry tray with a catch pan below. 1 serving is about 5 oz.
	Air Fry Tray	4	
Breaded Fish Fillets	4~16 EA (2 oz each)	Frozen	Place frozen breaded fish fillets on the LG air fry tray with a catch pan below.
	Air Fry Tray	4	
Breakfast Sausages	6~24 EA (1 oz each)	Frozen	Place frozen breakfast sausages on the LG air fry tray with a catch pan below.
	Air Fry Tray	4	
Corn Dogs	2~8EA (2.75 oz each)	Frozen	1) Remove corn dogs from packaging. 2) Place the corn dogs on the half sheet pan in the oven for image recognition. 3) Remove the corn dogs on the half sheet pan while preheating the oven. 4) Afterpreheating, place half sheet pan with corn dogs back in the oven.
	1/2 Sheet Pan	4	
Egg Rolls	2~4EA (2.7 oz each)	Frozen	1) Remove egg rolls from packaging. 2) Place the egg rolls on the half sheet pan in the oven for image recognition. 3) Remove the egg rolls on the half sheet pan while preheating the oven. 4) After preheating, place half sheet pan with egg rolls back in the oven. 5) When the oven beeps, flip the egg rolls over.
	1/2 Sheet Pan	3	

Frozen Products			
Menu	Amount Cookware	Food Temp. Rack Position	Instructions
Meatballs	6~24 EA (0.5 oz each) 1/2 Sheet Pan	Frozen 3	1) Remove meatballs from packaging. 2) Place the meatballs on the halfsheet pan in the oven for image recognition. 3) Remove the meatballs on the half sheet pan while preheating the oven. 4) After preheating, place half sheetpan with meatballs back in the oven. 5) When the oven beeps, flip the meatballs over.
Pretzels	2~6EA (2.2 oz each) 1/2 Sheet Pan	Frozen 3	1) Remove pretzels from packaging. 2) Place the pretzels on the half sheet pan in the oven for imagerecognition. 3) Remove the pretzels on the half sheet pan while preheating the oven. 4) After preheating, place half sheet pan with pretzels back in the oven.

⚠ CAUTION

- Take care when opening the oven door during or after steam cooking. Hot steam can cause scalding.
- After any steam cooking cycle, the drying function will run automatically. It is normal to hear the steam pump running during the drying function.

My Recipes

For frequently used cooking menus, you can combine up to three different temperatures and cooking modes into one hot key.

Creating My Recipe

1 Press the **POWER** button and tap **My Recipe**.

2 Tap **Create**.

3 Select a first cook mode listed in the display and set the desired temperature and cook time.

4 If there are no additional cooking stages, tap **Done**. To add another cooking stage, set a cooking time or probe temperature for the first stage. Then tap **Add Stage**.

5 Repeat steps 3-4 until all desired cooking stages have been entered. Then tap **Done**.

6 Enter a name for your recipe using the keyboard and tap **Save**.

NOTE

- When combining two or more cooking modes, a cooking time or probe temperature must be set before selecting an additional cooking mode.
- The probe cannot be used with the **Broil**, **Warm** or **Proof** modes.
- If the probe was inserted in the oven jack to add a probe temperature, remember to remove it.

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

- **My Recipes**
  - Download new and special cooking recipes that are not included in the standard cooking mode on the appliance. Once **My Recipes** download is completed in the appliance, the appliance keeps the recipes. You can only create, edit or delete the recipes in the **LG ThinQ** application.
- **Scan to Cook** (USA Only)
  - 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.
- **RealTime View**
  - See video from inside the oven while cooking using the **LG ThinQ** application. If you want, you can take pictures. The appliance must be connected to a home Wi-Fi network and the **LG ThinQ** application to use the RealTime View function.
- **Cook record**
  - The camera can record the cooking process and make a Time Lapse video. The appliance must be connected to a home Wi-Fi network and the **LG ThinQ** application to use the Cook Record function.
- **Product Upgrades**
  - On models with the **LG UP** Home Appliance feature, experience new features by upgrading the product through the **LG ThinQ** app.
- **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.

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 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.

RF Module Specifications

Type	Frequency Range	Output Power (Max.)
Wi-Fi	2 412 - 2 472 MHz	< 12 mW/MHz
Bluetooth †	2 402 - 2 480 MHz	< 3.6 mW

† 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. 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. This equipment generates and uses ISM frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with limits for ISM Equipment pursuant to part 18 FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. 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 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 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

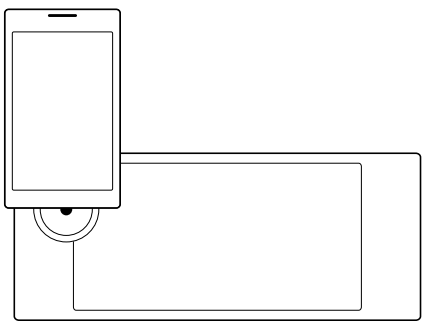
Follow the instructions below to use the audible diagnosis method.

- 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 Tap the Settings icon at the top right of the screen, tap **Maintenance & Info**, tap **Smart Diagnosis** and tap **Start** to start the diagnostic tone.

- If the display has been locked, you must deactivate the lock and then reactivate it.

2 Place your phone's mouthpiece near the top left corner of the screen.



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.

Front Manifold Panel and Knobs

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

⚠ CAUTION

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

NOTE

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

Painted and Decorative Trim

For general cleaning, use a cloth with hot soapy water. For more difficult 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

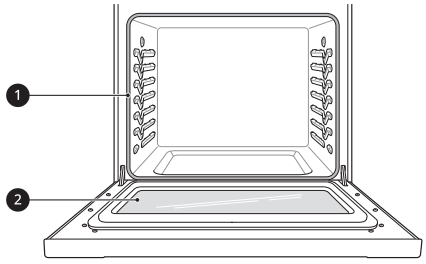
- To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish.
- Always wipe in the direction of the metal surface finish.
- Stainless steel appliance cleaner or polish can be purchased online or from most retailers of appliances or home goods.

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.

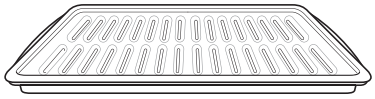
- Use soapy water to thoroughly clean the oven door. Rinse well. Do not immerse the door in water.
- You may use a glass cleaner on the outside glass of the oven door. Do not spray water or glass cleaner on the door vents.
- Do not use oven cleaners, cleaning powders, or harsh abrasive cleaning materials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

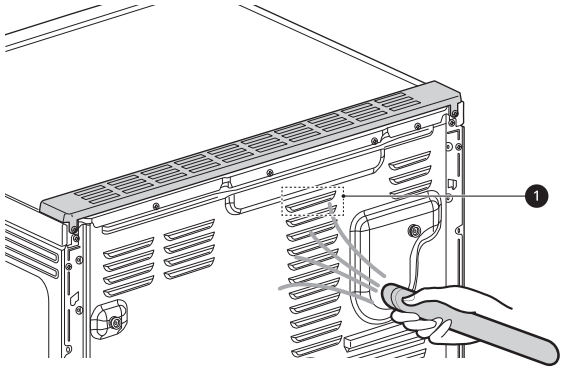
NOTE

- 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.
- If water or food containing water spills, remove the spill IMMEDIATELY with a dry paper towel.
- Do not use scrub pads or abrasive cleaning pads. They may damage your cooktop surface.

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

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

1 Before using the cooktop for the first time, clean it with a ceramic cooktop cleaner. This helps protect the top and makes cleanup easier.

2 Use ceramic cooktop cleaner daily to help keep the cooktop looking new.

3 Shake the cleaner well. Apply a few drops of cleaner directly to the cooktop.

4 Use a paper towel to clean the entire cooktop surface.

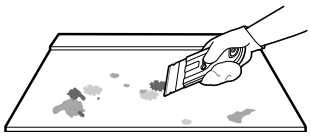
5 Rinse with clear water and use a dry cloth or paper towel to remove all cleaning residue.

NOTE

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

Burned-On Residue

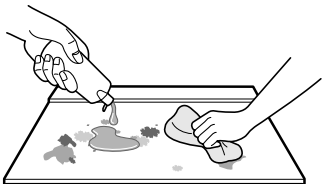
1 While the cooktop is still warm, remove any burnt on deposits or spilled food from the glass-ceramic cooking surface with a suitable metal razor scraper.



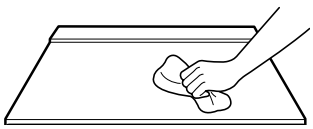
NOTE

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

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



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



Cooktop Seal

1 To remove burned-on soil from the seal around the outside of the glass-ceramic cooktop, cover the area with a warm, wet cloth to soften the soil.

2 After a few minutes, wipe the area clean with a mild, nonabrasive cleaner.

⚠ CAUTION

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

Maintaining the Cooktop

⚠ CAUTION

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

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

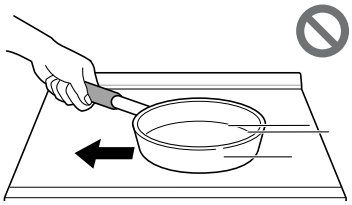
NOTE

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

Metal Marks and Scratches

⚠ CAUTION

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



- Any cookware that has a rough or dirty bottom can mark and scratch the cooktop surface. Always start with clean cookware.

- Do not use cookware if there is foreign matter on the cooktop surface. Always clean the cooktop surface before cooking.

NOTE

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

EasyClean

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

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

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

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

Benefits of EasyClean

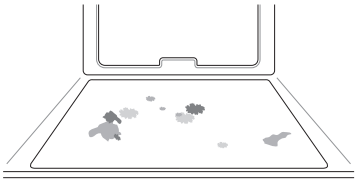
- Helps loosen light soils before hand-cleaning
- EasyClean only uses water; no chemical cleaners
- Makes for a better Self Clean experience
  - Delays the need for a Self Clean cycle
  - Minimizes smoke and odors
  - Can allow shorter Self Clean time

NOTE

- For models without Self Clean option
  - The EasyClean feature may not be effective in removing heavy, built-up soils. Because the range does not include a Self Clean option, clean the oven regularly using the EasyClean feature to prevent heavy, burnt-on soil from building up in the oven.

When to Use EasyClean

- Example of oven soiling



Case 1

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

Case 2

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

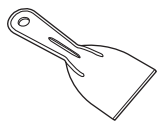
EasyClean Instruction Guide

NOTE

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

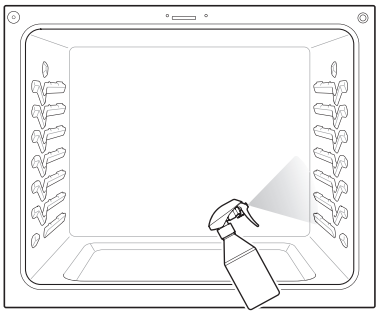
2 Scrape off and remove any burnt-on debris with a plastic scraper.



- 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. Scroll and tap **Cleaning**. Tap **EasyClean**. Tap **Start** at the bottom right to begin cleaning.

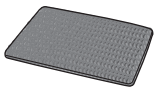
⚠ CAUTION

- 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. Tap **Done** to complete cooking.

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, turn the oven mode knob to the **OFF** position 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.

⚠ CAUTION

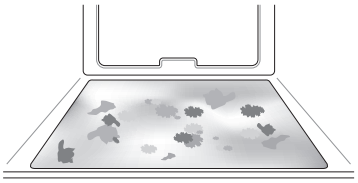
- The oven displays an F error code and sounds three long beeps during the self-cleaning process if it malfunctions in the self-clean mode. Switch off the electrical power to the main fuse or breaker and have the oven serviced by a qualified technician.
- If the self cleaning mode malfunctions, turn 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).

NOTE

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

When to Use Self Clean

- Example of oven soiling



Case 1

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

Case 2

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

Case 3

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

NOTE

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

Setting Self Clean

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

Self Clean Setting Guide

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

1 Remove all racks and accessories from the oven.

2 Close the oven door. Scroll and tap **Cleaning**. Tap **Self Clean**. The oven defaults to the recommended four-hour Self Clean for a moderately soiled oven.
If desired, tap **Cleaning Time** to set the cleaning time. Select one of the three: 3 hr, 4 hr, 5 hr.
If desired, tap **Starts at** to set the cleaning start time.

3 Tap **Start** at the bottom right to begin cleaning.

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.
- Never pour cold water on the interior of a hot oven. Rapid temperature changes can cause thermal stress, which can cause minor damage to the oven cavity. If the thermal stress accumulates, scrubbing with an abrasive pad can peel off the enamel. After running Self Clean, always allow the oven cavity to cool and then wipe it with a soft cloth.
- Use care when opening the oven door after the Self Clean cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape. The oven may still be VERY HOT.

NOTE

- It may become necessary to cancel or interrupt a Self Clean cycle due to excessive smoke or fire in the oven. To cancel the Self Clean function, Tap **Stop** at the bottom right.

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.

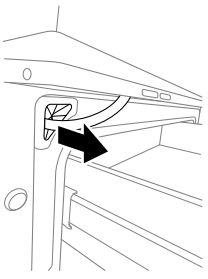
⚠ CAUTION

- 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.
- Do not lift the door by the handle. The door is very heavy.

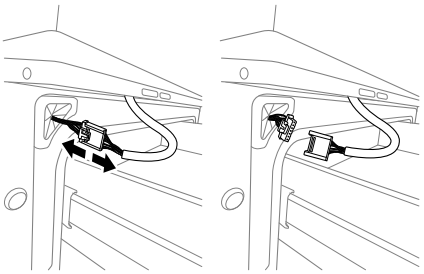
Removing Doors

1 Fully open the drawer.

2 Pull out the wire harness.

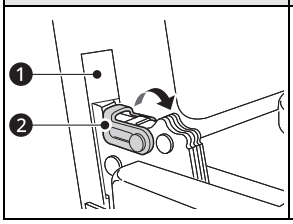
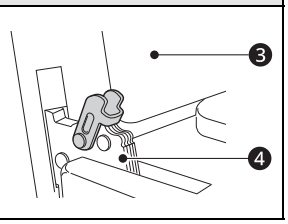


3 Pinch the clip while pulling the connector to disconnect it.



4 Fully open the door.

5 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

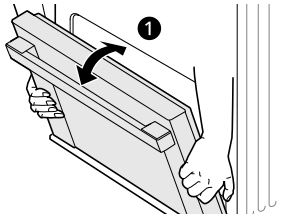
❷ Hinge Lock

❸ Oven Frame

❹ Hinge Arm

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

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



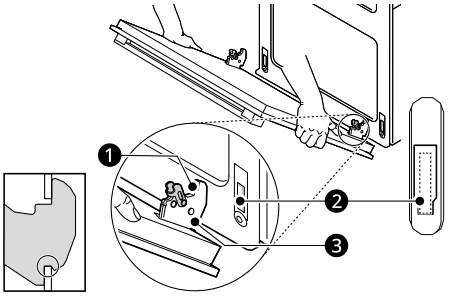
❶ about 5°

8 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.



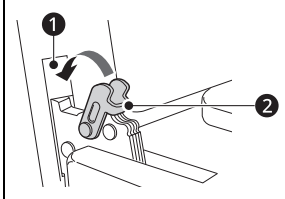
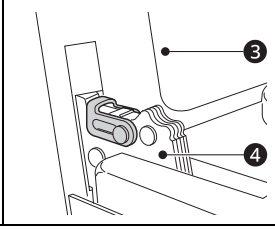
❶ Hinge Arm

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

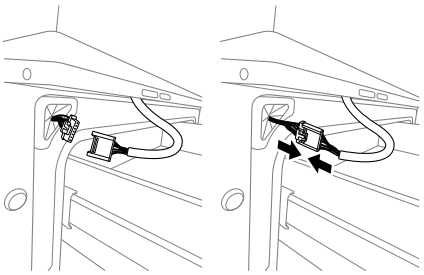
❷ Hinge Lock

❸ Oven Frame

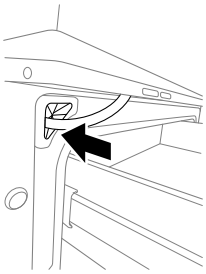
❹ Hinge Arm

5 Close the oven door.

6 Assemble the wire connector.



7 Insert the wire harness into the hole so that it enters the drawer.



Removing/Assembling Drawers

Removing Drawers

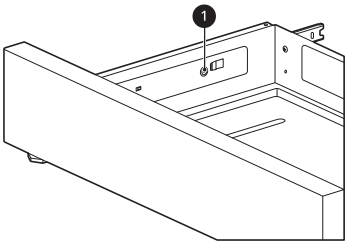
⚠ CAUTION

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

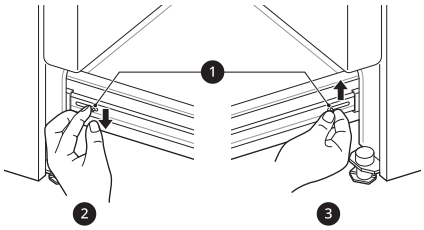
Most cleaning can be done with the drawer in place; however, the drawer may be removed if further cleaning is needed. Use warm water to thoroughly clean.

1 Fully open the drawer.

2 Unscrew the screw ❶ on the side at the back of the drawer.



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



❶ Lever

❷ Push down with finger

❸ Pull up with finger

4 Pull the drawer away from the range.

Assembling Drawers

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

2 Align the glide on each side of the drawer with the glide slots on the range.

3 Push the drawer into the range until levers click (approximately 2 inches).

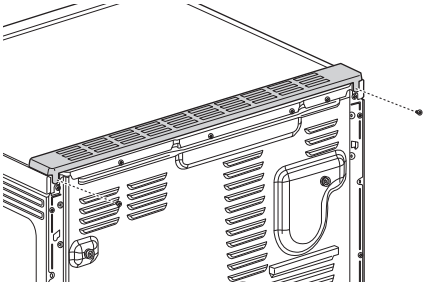
4 Insert and tighten the screws on the side at the back of the drawer.

5 Pull the drawer open again to seat the bearing glides into position.

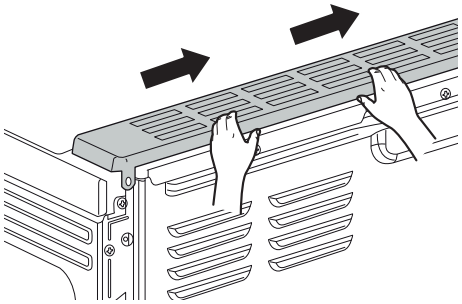
Removing/Assembling the Vent Trim

Removing the Vent Trim

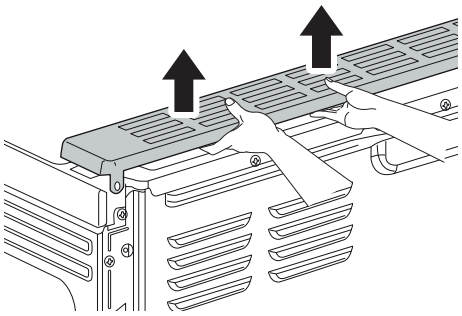
1 Using a screwdriver, remove the two screws holding the vent trim in place.



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



3 Lift the vent trim.



Assembling the Vent Trim

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

Periodic Maintenance

Changing the Oven Light

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

⚠ WARNING

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

1 Unplug the range or disconnect power.

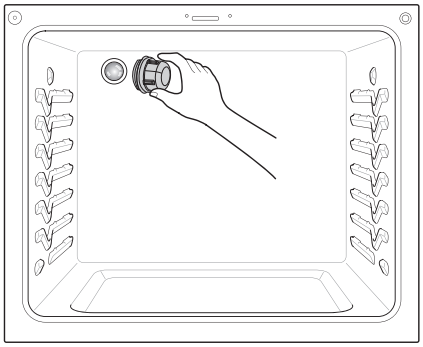
2 Turn the glass lamp cover in the back of the oven counterclockwise to remove.

3 Remove the halogen lamp from the socket.

4 Insert the new halogen lamp.

5 Insert the glass lamp cover and turn it clockwise.

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 cooking. On models with Self Clean, this can also happen during the Self Clean function.** • 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
Two (2) years 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.

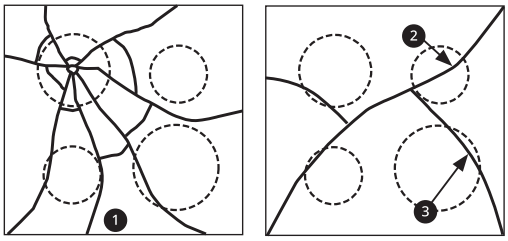
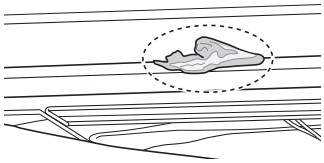
SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT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

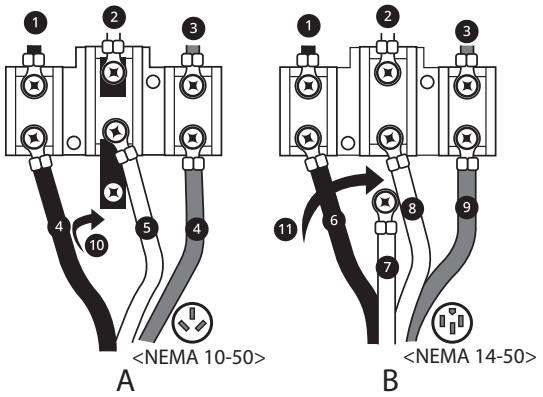
THIS LIMITED WARRANTY DOES NOT COVER:

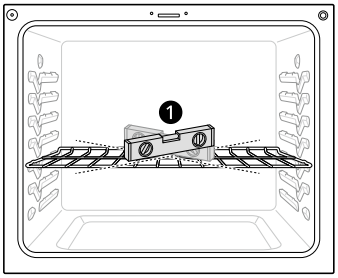
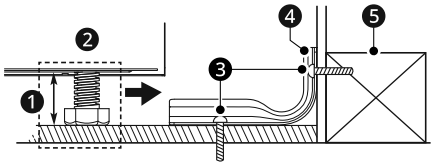
- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure of the Product caused by leaky or broken 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, business, or industrial settings, including any retail or food service establishments, or any commercial lodging/transient rental setting), or any use contrary to the Product owner's manual.
- Costs associated with removal and reinstallation of the Product for repairs, or the removal and reinstallation of the Product if it is installed in an inaccessible location or not installed in accordance with the Product Owner's manual.
- Accessories, removable components, or consumable parts (e.g. Shelves, door bins, drawers, water/air filters, racks, light bulbs, batteries, etc., as applicable), except for internal/functional parts covered under this limited warranty.

Not Covered by this Limited Warranty

Problem	Possible Cause & Prevention
Cooktop crack	**Cooktop crack caused by impact of object**  A B • A: Out of warranty - ❶ Mechanical breakage • 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 1-800-984-6306 and select the appropriate option from the menu.

Or visit our website at http://www.LGSIGNATURE.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 SIGNATURE

Customer Information Center

For inquiries or comments, call;

1-800-984-6306 USA, Consumer User
1-888-865-3026 USA, Commercial User
1-888-542-2623 CANADA

Centro de Información al Cliente

Para consultas o comentarios, llame por teléfono:

1-800-984-6306 EE.UU., Usuario Consumidor
1-888-865-3026 EE.UU., Usuario Comercial
1-888-542-2623 CANADÁ

Centre de Service à la Clientèle

Pour des questions ou des commentaires, appelez :

1-800-984-6306 ÉTATS-UNIS, Consommateur
1-888-865-3026 ÉTATS-UNIS, Utilisateur Commercial
1-888-542-2623 CANADA