

# USER'S GUIDE & COOKING GUIDE ELECTRIC CONVECTION BUILT-IN OVEN

Please read this guide thoroughly before operating  
and keep it handy for reference at all times.

LWS3081ST



MFL51224510

[www.lg.com](http://www.lg.com)

# INTRODUCTION

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## THANK YOU!

Congratulations on your purchase and welcome to the LG family. Your new LG Built-In Oven combines precision cooking features with simple operation and stylish design. Follow the operating and care instructions in this manual and your oven will provide you with many years of reliable service.

### ***Product Registration Information***

Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

# IMPORTANT SAFETY INFORMATION

## READ ALL INSTRUCTIONS BEFORE USE

You can download an owner's manual at <http://www.lg.com>.



This is the safety alert symbol. This symbol alerts you to potential hazards that can kill or hurt you and others. All safety messages will follow the safety alert symbol and either the word **WARNING** or **CAUTION**. These words mean:

### **WARNING**

This symbol will alert you to hazards or unsafe practices which could cause serious bodily harm or death.

### **CAUTION**

This symbol will alert you to hazards or unsafe practices which could cause bodily injury or property damage.

## SAFETY PRECAUTIONS

- Be certain your appliance is properly installed and grounded by a qualified technician.
- Do not repair or replace any part of the appliance unless specifically recommended in the manual.
- All other servicing should be referred to a qualified technician.
- Always disconnect power to appliance before servicing by unplugging, removing the fuse or switching off the circuit breaker.

#### • **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 oven until they have had sufficient time to cool. Other surfaces of the appliance may become hot enough to cause burns. Among these surfaces are oven vent openings and surfaces near these openings, oven doors, and windows of oven doors.

#### • **Use Care When Opening Door.**

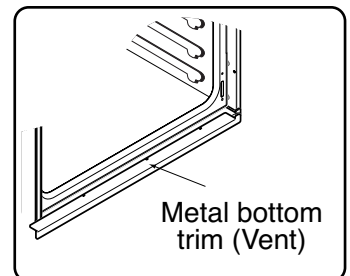
Let hot air or steam escape before you remove or replace food in the oven

#### • **Do Not Heat Unopened Food Containers.**

Build-up of pressure may cause container to burst and result in injury.

#### • **Keep Oven Vent Ducts Unobstructed.**

The oven vent could become hot during oven use. Never block this vent and never place plastic or heat-sensitive items on or near the vent.



#### **NOTE:**

For proper operation vent trim must be installed.

### **WARNING**

- **NEVER use your appliance for warming or heating the room.**
- **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.
- **Use dry pot holders only.**  
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.
- **Storage in or on appliance.**  
Flammable materials should not be stored in an oven or near surface elements.
- **Wear proper apparel.**  
Loose-fitting or hanging garments should never be worn while using the appliance.

# IMPORTANT SAFETY INFORMATION

## READ ALL INSTRUCTIONS BEFORE USE

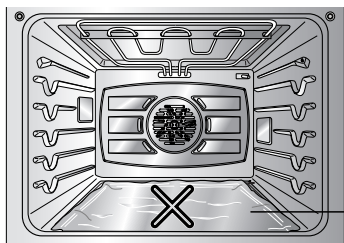
### SAFETY PRECAUTIONS (cont.)

- **Be certain all packing materials are removed from the appliance before operating.**  
Keep plastics, clothes, and paper away from parts of the appliance that may become hot.
- **DO NOT force the door open.**  
This can damage the automatic door locking system. Use care when opening the oven door after the self-cleaning 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.
- **DO NOT use a steel-wool pad.**  
It will SCRATCH the surface.
- **DO NOT use harsh etching, abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface.**  
It may result in shattering of the glass.
- **Be careful when removing and lifting the door.**
- **DO NOT lift the door by the handle.**  
The door is very heavy.
- **DO NOT step or sit on oven door.**  
Be sure to follow proper installation instructions.

### ELECTRICAL SAFETY

- **Protective Liners.** Do not use aluminum foil or any other material to line the oven bottoms. Improper installation of these liners may result in a risk of electric shock or fire.
- **Do Not** allow aluminum foil or meat probe to contact heating elements.
- **Before replacing your oven light bulb, 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.
- **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.)

#### WARNING



Aluminum foil

- **DO NOT place aluminum foil directly on the oven bottom.**

# IMPORTANT SAFETY INFORMATION

ENGLISH

## READ ALL INSTRUCTIONS BEFORE USE

### SAFETY DURING USE

- **Oven Racks.** Always place oven racks in desired position while oven is cool.
- **Always use pot holders or oven mitt when removing food from the oven.**  
You can be burned because cookware and plates will be hot.
- **Use caution with the TIMED BAKE or DELAYED TIMED BAKE features.** Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is completed.  
Eating spoiled food can result in sickness from food poisoning.
- **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 cause a grease fire to spread and cause personal injury.
- **DO NOT use the broiler pan without the grid. DO NOT cover the grid with aluminum foil.**

### CHILD SAFETY

#### **WARNING**

- Children should be kept away from the oven.
- Accessory parts will become hot when the broiler is in use.

#### **CAUTION**

- **DO NOT leave small children unattended near the appliance.**  
During the self-cleaning cycle, the outside of the oven can become very hot to the touch.

#### **CAUTION**

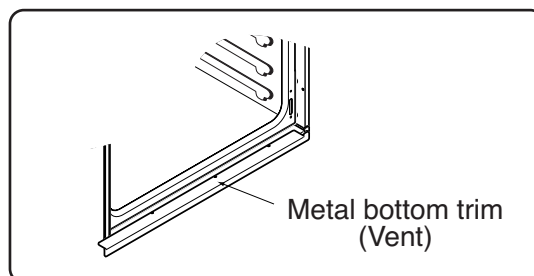
- Children should not be left alone or unattended in area where appliance is in use. Children should never be allowed to sit or stand on any part of the appliance.

# IMPORTANT SAFETY INFORMATION

## READ ALL INSTRUCTIONS BEFORE USE

### SAFETY WHEN CLEANING

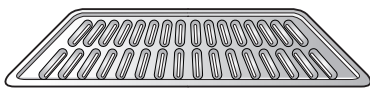
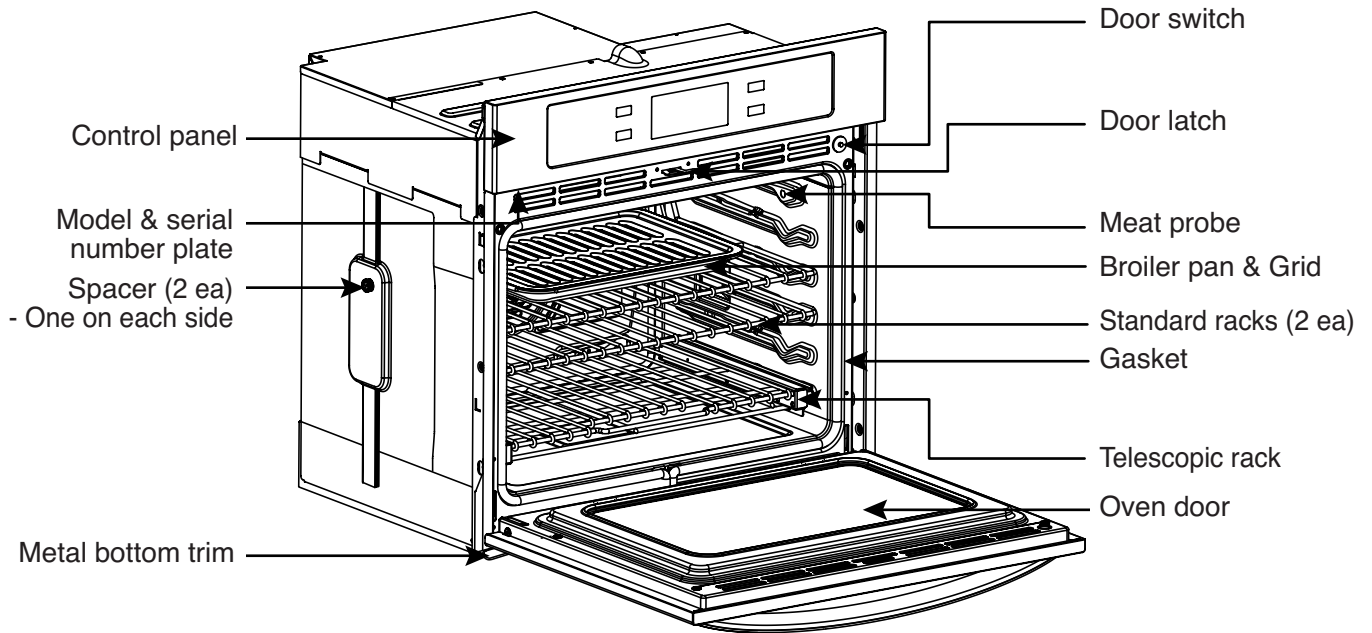
- **Do Not Clean Door Gasket.** The door gasket is essential for a good seal. Care should be taken not to rub, damage, or move the gasket.
- **Do Not Use Oven Cleaners.** No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- **Before self cleaning the oven.** Remove broiler pan, all oven racks, meat probe and any other utensils from the oven cavity.
- **Never keep pet birds in the kitchen.** The health of birds is extremely sensitive to the fumes released during an oven self-clean cycle. Fumes may be harmful or fatal to birds. Move birds to well-ventilated room.
- **Important Instruction.** In the event the self clean error code **F** is displayed, and error melody sounds, the oven is malfunctioning in the self clean mode. Switch off the electrical power to the main fuse or breaker and have serviced by a qualified technician.
- **Make sure oven lights are cool before cleaning.**
- **DO NOT block the oven vent during operation.** This can damage the electric parts of the oven. Air must be able to move freely. The metal bottom trim (vent) should be properly assembled on the front bottom of oven before installing the oven door.



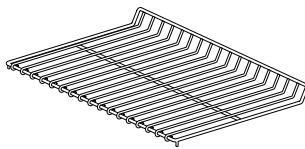
### CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT

**⚠ WARNING:** This product contains chemicals known to the State of California to cause cancer. *Wash hands after handling.*

## PARTS AND FEATURES



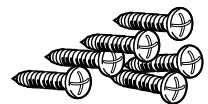
Grid



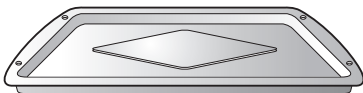
Standard racks (2 ea)



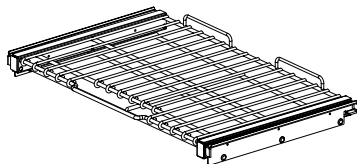
6 Screws For Bottom Trim  
(3 needed for installation and 3 extras)



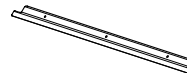
6 Wood Screws For Mounting  
(4 needed for installation and 2 extras)



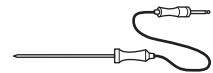
Broiler pan



Telescopic rack (1 ea)



30" (76.2 cm)  
Metal Bottom Trim (1 ea)

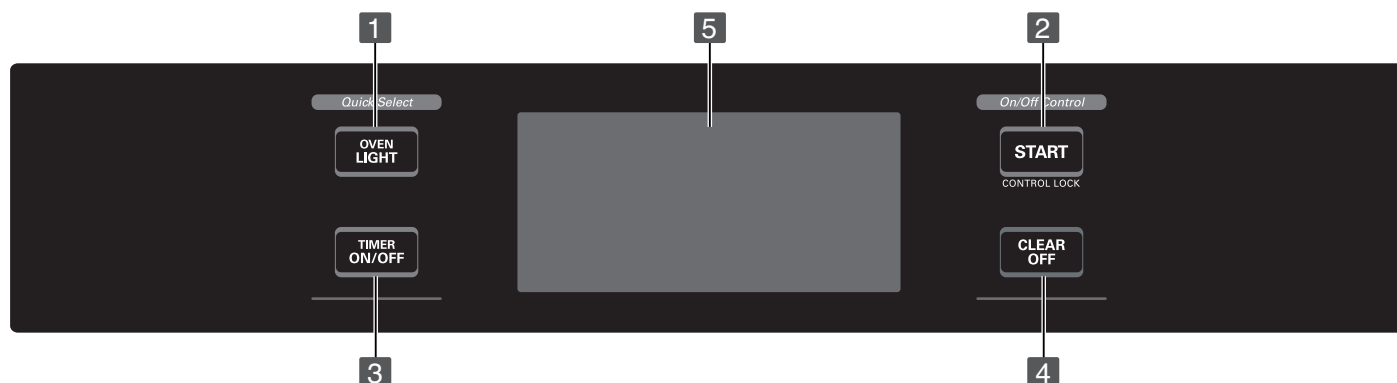


Meat Probe

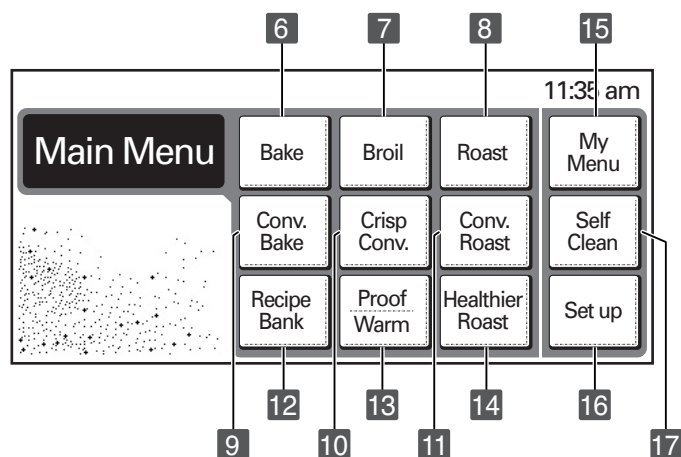
# PARTS AND FEATURES

## CONTROL PANEL FEATURES

**READ THE INSTRUCTIONS CAREFULLY BEFORE USING THE OVEN.** For satisfactory use of your oven, become familiar with the various features and functions of the oven as described below.



- 1 OVEN LIGHT:** Use to turn the oven lights on and off.
- 2 START:** Use to start all oven features. Activate the CONTROL LOCK for 4 seconds holding.
- 3 TIMER ON/OFF:** Use to set or cancel the timer.
- 4 CLEAR/OFF:** Use to stop cooking or cancel the setting of the oven.
- 5 Touch Screen:** Show the time of day, main menu, and oven temperature; whether the oven is the bake, broil or self-cleaning mode; and the times set for the timer or automatic oven operations. The display panel will go into a "sleep" mode if no activity. Touch the display once to activate and again to make your selection.
- 6 Bake:** Use to select the normal bake mode.
- 7 Broil:** Use to set the variable broil mode.
- 8 Roast:** Use to select the normal roast mode.
- 9 Conv. Bake:** Use to select the convection bake mode.
- 10 Crisp Conv.:** Use to select the crisp convection mode.
- 11 Conv. Roast:** Use to select the convection roast mode.
- 12 Recipe Bank:** Use to recall the recipe category of gourmet food.
- 13 Proof/Warm:** Use to proof bread / Use to hold food warm.
- 14 Healthier Roast:** Use to select the healthier roast mode.
- 15 My Menu:** Use to save or recall the favorite 10 cook mode.
- 16 Set up:** Use to change the special settings.
- 17 Self Clean:** Use to select the self-cleaning cycle.



### NOTE:

- Press CLEAR/OFF pad. Allow the oven to cool for one hour. Put back into operation.
- If the function error code repeats, disconnect the power to the oven and call for service.
- If the oven was set for a timed oven operation and a power failure occurred, the clock and all programmed functions must be reset.
- The time of day will flash and PF will appear in the display when there has been a power failure.

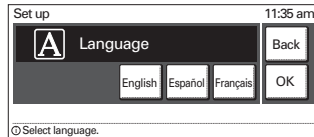


# OPERATING INSTRUCTIONS

## INITIAL SET UP

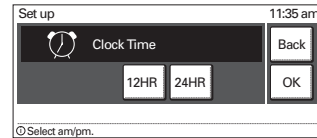
When the oven is first powered ON, the oven needs to be programmed for the language and time of day.

**To set the language (example below for English display)**

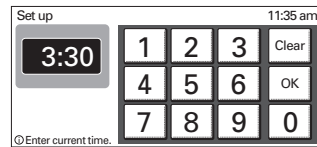


- 1 Touch **English**. Then **OK**.

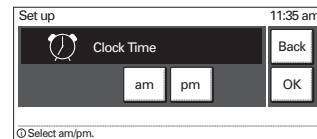
**To set the clock (example below for 3:30 pm):**



- 1 Touch **12HR** to use a 12-hour clock. Then touch **OK**.



- 2 Touch **3 3 0** to set the time of day to 3:30. Then touch **OK**.



- 3 Touch **pm**. Then touch **OK**.

**NOTE:** When the power supply to the oven has been interrupted, the time in the display will show when the power failure occurred.

## TIME AND TEMPERATURE SETTINGS

All of the features listed have minimum and maximum time or temperature settings that may be entered into the control. An entry acceptance beep will sound each time a control key is touched. An entry error tone (3 short beeps) will sound if the entry of the temperature or time is below the minimum or above the maximum settings for the feature.

Feature	Min. Temp. / Time	Max. Temp. / Time
BAKE / ROAST	170°F (80°C)	550°F (285°C)
BROIL [Full / Center]	LO (350°F)	HI (550°F)
CONVECTION BAKE/ CONVECTION ROAST/ CRISP CONVECTION	170°F (80°C)	550°F (285°C)
PROOF	100°F	
WARM	LO (140°F) / 3 hours	HI (200°F) / 3 hours
SELF CLEAN	2 hours	4 hours
PROBE	80°F (25°C)	210°F (100°C)

# OPERATING INSTRUCTIONS (SET UP)

The following options can be found by touching SET UP on the main menu.

## LANGUAGE SELECTION (ENGLISH, ESPAÑOL OR FRANÇAIS)

English, French or Spanish can be set as the display language.

### *To set language selection*



- ❶ Touch **Set Up**.



- ❸ Touch **English**, **Español** (Spanish) or **Français** (French).



- ❷ Touch **1** for language selection.



- ❹ Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

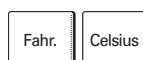
## TEMPERATURE UNIT (FAHRENHEIT OR CELSIUS)

The oven control can be set up to display temperatures in Fahrenheit or Celsius.

### *To set temperature unit.*



- ❶ Touch **Set Up**.



- ❸ Touch **Fahr.** (°F) for Fahrenheit or **Celsius** (°C) for Celsius.



- ❷ Touch **2** for changing temperature unit.



- ❹ Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

## DISPLAY BRIGHTNESS (BRIGHT, NORMAL OR DARK)

The oven control can be set up to change the brightness of the display touch screen.

### *To set display brightness*



- ❶ Touch **Set Up**.



- ❸ Touch **Bright** or **Normal** or **Dark**.



- ❷ Touch **3** for brightness selection.



- ❹ Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

# OPERATING INSTRUCTIONS (SET UP)

## SOUND VOLUME (MUTE, NORMAL OR LOUD)

The sound volume feature allows you to adjust the volumes to a more acceptable volume. There are three possible volume levels.

### To set sound volume



❶ Touch **Set Up**.



❸ Touch **Mute** or **Normal** or **Loud**.



❷ Touch **4** for changing sound volume.



❹ Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

## CONVECTION AUTO CONVERSION (ENABLE OR DISABLE)

This feature allows you to Enable or Disable the Auto Conversion option.

The Auto Conversion feature will automatically convert the Convection temperature. The temperature will be reduced by 25 degrees from the actual temperature set.

If this feature is Enabled, the temperature is automatically reduced by 25 degrees. The display will show 25 degrees lower than the temperature entered. If this feature is Disabled, the temperature will not reduce the 25 degrees.

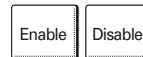
### To set the feature *Disable/Enable*



❶ Touch **Set up**.



❷ Touch **5** for changing the setting.



❸ Touch **Enable** or **Disable**.



❹ Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

# OPERATING INSTRUCTIONS (SET UP)

## TEMPERATURE ADJUSTMENT

The oven cavity temperature can be adjusted if it is running too hot or too cool.

If needed, the temperature can be adjusted +/- 35 degrees.

**NOTE:** The temperature adjustments made with this feature will change Bake, Convection Bake, Convection Roast, and Crisp Convection temperature.

### To adjust the oven temperature



- 1 Touch **CLEAR/OFF** for changing the oven temperature.



- 2 Touch **Set Up**.
- 3 Touch **6** for temperature adjustment.
- 4 To increase the temperature, touch **+** until the display shows the desired change. To decrease the temperature, touch **-** until the display shows the desired change.
- 5 Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

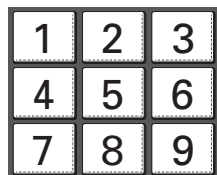
## CLOCK TIME (12 HR, 24 HR)

This feature allows you to choose between a 12 and 24 hour clock. Once the clock has been reset for a 12 or 24 hour clock, the time of day needs to be reset.

### To change between 12 or 24 hour time of day



- 1 Touch **Set Up**.
- 2 Touch **7** for setting clock time.
- 3 Touch **12HR** for 12-hour or **24HR** for 24-hour.
- 4 Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.



- 5 Touch number pads to set the current time of day.
- 6 Touch **OK** to accept the change or touch **Clear** to reset the time.
- 7 Touch **am** for setting the time before noon or touch **pm** for setting the time after noon.  
**NOTE:** am and pm selection can be set only for the 12-hour clock.
- 8 Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

## RESET

The Reset feature allows you to restore changes made in the SET UP menu to the original factory settings.

### To reset the control to factory setting



- 1 Touch **Set Up**.
- 2 Touch **8** for reset the control setting.



- 3 Touch **Yes** to reset the control or touch **No** to keep the current setting.
- 4 Touch **OK** to accept the change or touch **Back** to return to the **Set Up** menu.

## TIMER ON/OFF

The **TIMER ON/OFF** serves as an extra timer in the kitchen that will beep when the set time has run out. It does not start or stop cooking. The **TIMER ON/OFF** feature can be used during any of the other oven control functions.

*To set the timer (example for 5 minutes):*



- 1 Touch **TIMER ON/OFF**.



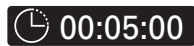
- 2 Touch the number pad to set the desired time in the display (touch **5 0 0**).



- 3 Touch **OK** or **TIMER ON/OFF** to start the timer.

**NOTE:**

The time will count down with **5:00** in the display.



- 4 When the set time has run out, **Timer End** will show in the display. Timer melody will sound every 15 seconds until **TIMER ON/OFF** is touched.

**NOTE:**

1. If you touch **TIMER ON/OFF** once, it allows you to set the time in seconds.  
(For example: if you touch 5 and 6, it means 56 seconds)
2. If you touch **TIMER ON/OFF** twice, it allows you to set the time in minutes.  
(For example: if you touch 5 and 6, it means 56 minutes)

*To cancel the Timer before the set time has run out:*



- 1 Touch **TIMER ON/OFF**.  
The count down time in the display will disappear.

**NOTE:**

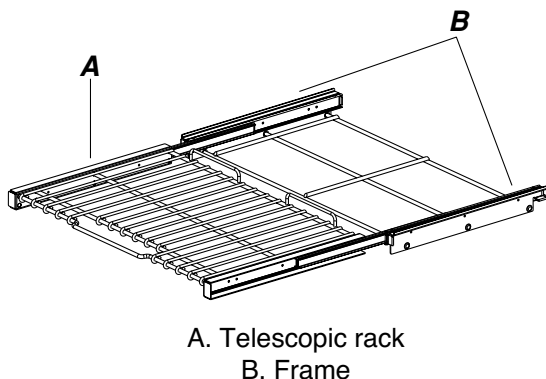
Touch **Clear** if you make a mistake and begin again.

# OPERATING INSTRUCTIONS

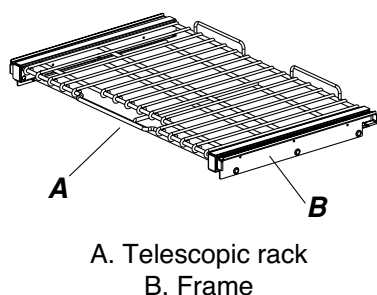
## TELESCOPIC RACK

The sliding shelf telescopic rack can be used in any rack position.

### Open Position



### Closed and Engaged Position



### ⚠ CAUTION

- **DO NOT cover racks with aluminum foil.**  
- This will result in poor baking caused by interrupted heat distribution.
- **Always arrange oven racks when the oven is cool.**
- **Do not place aluminum foil or any other material on the oven bottom.**
- **Remove all racks including the telescoping rack and frame when using a self clean cycle.**

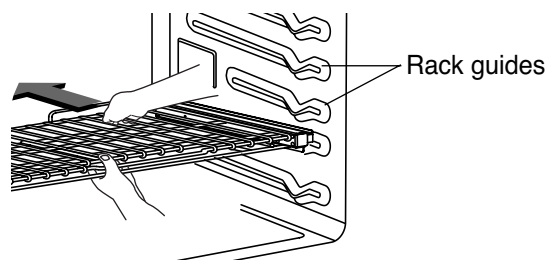
### Installing the Telescoping Rack

#### Step. 1

Start with the rack in the "Closed" position. Place one hand in the front near the center, and place your other hand near the right rear corner.

#### Step. 2

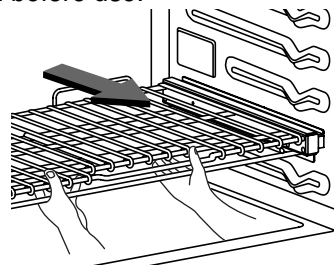
Carefully insert rack between the rack guides, to the back of the oven until the shelf slides into place.



#### Step. 3

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

**NOTE:** Be sure that the rack is securely positioned and level before use.



### Removing Telescoping Rack

#### Step. 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.

#### Step. 2

After pushing rack/ frame towards the back wall lift the rear of the rack, and pull the entire rack and frame out between the rack guides.

# OPERATING INSTRUCTIONS

ENGLISH

## BAKE

The oven can be programmed to bake at any temperature from 170°F (77°C) to 550°F (288°C). Default temperature is 350°F (177°C).

### To set the Bake Temperature to 375°F



- 1 Touch **CLEAR/OFF**.  
The display will show the main menu.



- 2 Touch **Bake**. 350°F will appear in the display.



- 3 Touch **3, 7, and 5**.



- 4 Touch **START**.  
The display will show the actual oven temperature starting at 100°F and the set temperature.

#### NOTE:

- During the preheating mode, the convection fan operates constantly to circulate the hot air. The convection fan will turn off automatically after the preset temperature is attained.
- After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

### To change the Bake Temperature while cooking (example changing from 375°F to 425°F):



- 1 Touch **Options**.



- 2 Touch **Temp.**



- 3 Touch **4, 2, and 5**.



- 4 Touch **OK** to accept the change or touch **Clear** to reenter the desired temperature.

#### NOTE:

Preheating is necessary for good results when baking cakes, cookies, pastries and breads. After the oven has reached the desired temperature, the preheat melody will sound once.

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel BAKE at any time.

## BAKING LAYER CAKES

Baking results will be better if baking pans are centered in the oven as much as possible. If baking with more than one pan, place the pans so each has at least 1" to 1-1/2" of air space around it. If cooking on multiple racks, place the oven racks in positions B and D (For 2 racks) Place the cookware as shown in Fig. 1, 2.

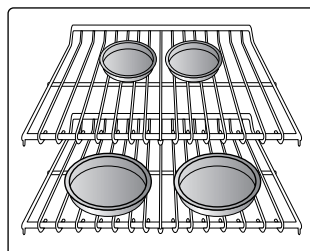


Fig. 1

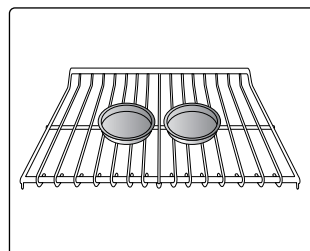
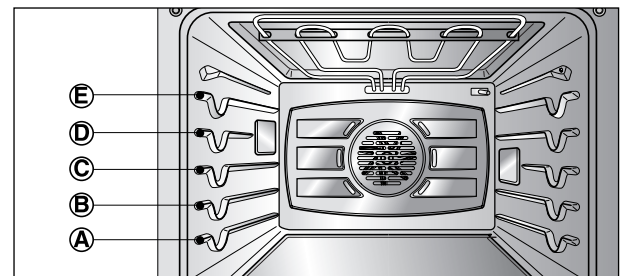


Fig. 2



- The oven has 5 rack positions.











Type of Food	Rack Position
Angel food cake, Frozen pies	B
Bundt or pound cakes	B
Biscuits, Muffins, Brownies, Cookies, Cupcakes, Layer cakes, Pies	C
Casseroles	B
Turkey, Roast, or Ham	A

# OPERATING INSTRUCTIONS

## TIMED BAKE

The oven will turn on immediately and bake for a selected length of time. At the end of the cooking time, the oven will turn off automatically.

**To set the oven to begin cooking immediately and shut off automatically: (example below to bake at 375°F for 30 minutes):**

- 
- 1 Touch **CLEAR/OFF**.  
The display will show the main menu.
  - 2 Touch **Bake**. 350°F will appear in the display.
  - 3 Touch 3, 7, and 5.
  - 4 Touch **Options** to set the cook time.
  - 5 Touch **Cook Time**.
  - 6 Touch 3 and 0.
- NOTE:**  
Timed cook can be set for 1 minute to 11 hours and 59 minutes.
- 
- 7 Touch **START**. The oven will turn on, and the display will show the cooking time countdown.  
The oven will continue to cook for the set amount of time, then turn off automatically.

### NOTE:

- During the preheating mode, the convection fan operates constantly to circulate the hot air. The convection fan will turn off automatically after the preset temperature is attained.
- After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.







### IMPORTANT NOTE:

Preheating is necessary for good results when baking cakes, cookies, pastries and breads. After the oven has reached the desired temperature, the preheat alarm melody will sound once.


The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Timed Bake at any time.

**To change the cooking time while cooking (example changing from 30 minutes to 20 minutes):**

- 
- 1 Touch **Options**.
  - 2 Touch **Cook Time**.
  - 3 Touch 2 and 0.
  - 4 Touch **OK** to accept the change or touch **Clear** to reset the time you input.

### When the Timed Bake finishes:

- 
- 1 "Cycle Completed" will appear in the display and then the display will show the time of day.
  - 2 The control will continue to sound the cook end melody every minute until **CLEAR/OFF** is touched.



## DELAYED TIMED BAKE

The automatic timer of the Delayed Timed Bake will turn the oven ON and OFF at the time you select in advance.

**To set the oven for a Delayed Start .  
(example for baking at 375°F for 30 minutes  
and starting at 4:30 pm):**

CLEAR  
OFF

Bake

3 7 5

Options

Cook  
Time

3 0

Options

Start  
Time

4 3 0

Options

pm

OK Back

START

- 1 Be sure that the clock is set with the correct time of day.
  - 2 Touch **CLEAR/OFF**.
  - 3 Touch **Bake**. 350°F will appear in the display.
  - 4 Touch **3**, **7**, and **5**.
  - 5 Touch **Options** to set the cook time.
  - 6 Touch **Cook Time**.
  - 7 Touch **3** and **0**.
- NOTE:**  
Baking time can be set from 1 minute to 11 hours and 59 minutes.
- 8 Touch **Options**.
  - 9 Touch **Start Time**.
  - 10 Touch **4**, **3**, and **0**.
  - 11 Touch **Options** to select am or pm.
  - 12 Touch **pm**.
  - 13 Touch **OK** or touch **Back** to return to the previous step.
  - 14 Touch **START**. At the set time, the start melody will sound. The oven will begin to Bake. When the oven has reached the desired temperature, the preheat alarm melody will sound once and the display will show the programmed information.

### IMPORTANT NOTE:

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Delayed Timed Bake at any time.

### When the Timed Bake finishes:

- 1 "Cycle Completed" will appear in the display and then the display will show the time of day.
- 2 The control will continue to sound the cook end melody every minute until **CLEAR/OFF** is touched.

### NOTE:

- During the preheating mode, the convection fan operates constantly to circulate the hot air. The convection fan will turn off automatically after the preset temperature is attained.
- After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

## ⚠ CAUTION

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

# OPERATING INSTRUCTIONS

## BROIL

Broiling uses an intense, radiant heat to cook food. Both the inner and outer broil elements heat during full broiling. Only the inner broil element heats during center broiling. The element(s) cycle on and off in intervals to maintain the oven temperature. The meat probe cannot be used with this mode.

**IMPORTANT NOTE:** Your oven is designed for CLOSED DOOR Broiling.

### *To set the oven to Broil.*

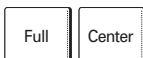
- 1 Place your food on the broiling pan grid.



- 2 Touch **CLEAR/OFF**.



- 3 Touch **Broil**.



- 4 Touch **Full** or **Center**.



- 5 Touch **High** or **Med** or **Low**.



- 6 Touch **START**.

### **IMPORTANT NOTE:**

The heating element(s) turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed.

If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Broil at any time.

### **NOTE:**

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

## 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. It is recommended to preheat the oven for about 3 minutes before placing food in the oven.

For best results when broiling, use a pan designed for broiling (Refer to Fig. 1.)

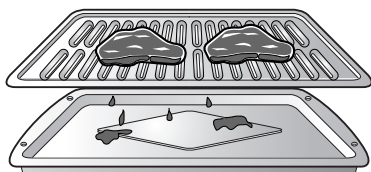
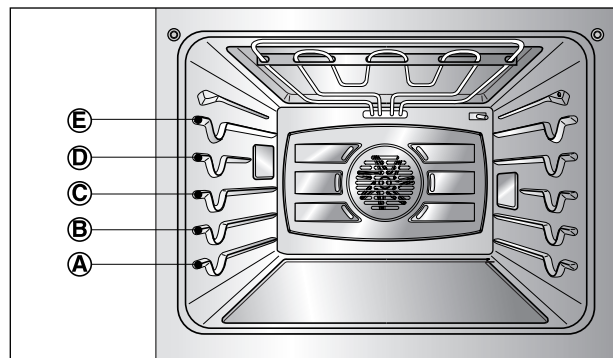


Fig.1



# OPERATING INSTRUCTIONS

ENGLISH

## RECOMMENDED BROILING GUIDE (cont.)

Food	Quantity and/ or Thickness	Shelf Position	First Side Time (min.)	Second Side Time (min.)	Comments
<b>Ground Beef</b> Well Done	1 lb. (4 patties) 1/2 to 3/4" thick	D or E	5–7	4–5	Space evenly. Up to 8 patties may be broiled at once.
<b>Beef Steaks</b> Rare Medium Well Done	1" thick 1 to 1-1/2 lbs.	D D D	6 7 8	2–3 2–3 3–4	Steaks less than 1" thick cook through before browning. Pan frying is recommended. Remove fat.
Rare Medium Well Done	1-1/2" thick 2 to 2-1/2 lbs.	D D D	10 12 14	4–6 6–8 8–10	
<b>Chicken</b>	1 whole cut up 2 to 2-1/2 lbs., split lengthwise 2 Breasts	C C	20 20	6–8 6–10	
<b>Lobster Tails</b>	2–4 10 to 12 oz. each	C	12–14	Do not turn over.	Cut through back of shell. Spread open. Brush with melted butter before broiling and after half of broiling time.
<b>Fish Fillets</b>	1/4 to 1/2" thick	D or E	5–6	3–4	Handle and turn very carefully. Brush with lemon butter before and during cooking, if desired.
<b>Ham Slices</b> (precooked)	1/2" thick	D	5	3–5	Increase time 5 to 10 minutes per side for 1-1/2" thick or home-cured ham.
<b>Pork Chops</b> Well Done	2 (1/2" thick) 2 (1" thick) about 1 lb.	D or E D or E	7 9–10	6–8 7–9	Remove fat.
<b>Lamb Chops</b> Medium Well Done	2 (1" thick) about 10 to 12 oz.	D D	6 8	4–6 7–9	Remove fat.
Medium Well Done	2 (1-1/2" thick) about 1 lb.	D D	11 13	9 9–11	
<b>Salmon Steaks</b>	2 (1" thick) 4 (1" thick) about 1 lb.	D or E D or E	8 9	3–4 4–6	Grease pan. Brush steaks with melted butter.

### ⚠ CAUTION

- 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 cause a grease fire to spread and cause personal injury.

### ⚠ CAUTION







- DO NOT use the broiler pan without the grid.
- DO NOT cover the grid with aluminum foil.

# OPERATING INSTRUCTIONS

## ROAST

The oven can be programmed to roast.  
The meat probe may be used in this feature.








**To set the Roast feature (example for Meats to cook at 375°F):**

-  ❶ Touch **CLEAR/OFF**.
-  ❷ Touch **Roast**.
-    ❸ Touch **3, 7, and 5**.
-  ❹ Touch **START**.

### NOTE:

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

**To change the Temperature while cooking (example changing from 375°F to 425°F):**

-  ❶ Touch **Options**.
-  ❷ Touch **Temp.**
-    ❸ Touch **4, 2, and 5**.
-   ❹ Touch **OK** to accept the change or touch **Clear** to reset the temperature you input.

### IMPORTANT NOTE:

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

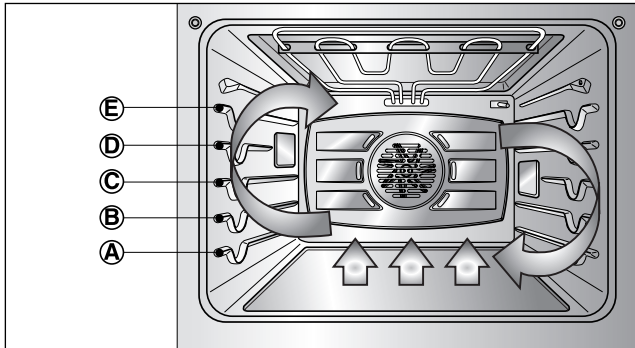
When preparing meats for roasting, use the broiler pan and grid. The broiler pan will catch grease spills and the grid will help prevent grease splatters.

Touch **CLEAR/OFF** to cancel Roast at any time.

## CONVECTION BAKE

### Benefits of Convection Bake:

- ❶ Some foods cook up to 25 to 30% faster, saving time and energy.
- ❷ Multiple rack baking.
- ❸ No special pans or bakeware needed.



Convection baking uses a fan to circulate the oven's heat evenly and continuously within the oven. This improved heat distribution allows for even cooking and excellent results using multiple racks at the same time. Foods cooked on a single oven rack will generally cook faster and more evenly with Convection Bake. Multiple oven rack cooking may slightly increase cook times for some foods, but the overall result is time saved. Breads and pastries brown more evenly.

### Tips for Convection Bake

- Time reductions will vary depending on the amount and type of food to be cooked. Cookies and biscuits should be baked 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 with a single rack, place oven rack in position C. If cooking on multiple racks, place the oven racks in position B and D.
- Cookies, muffins, biscuits and other quickbreads give very good results when using multiple racks.

### To set the oven for Convection Bake 375°F:



❶ Touch **CLEAR/OFF**.

❷ Touch **Conv. Bake**.

❸ Touch **3, 7, and 5**.

❹ Touch **START**. The display will show 350°F. The preheat (If Convection Auto Conversion is Enabled) melody will sound when the oven temperature reaches adjusted temperature. But if you set the Convection Auto Conversion disabled, the melody will sound when the oven temperature reaches 375°F.

### IMPORTANT NOTE:

The heating elements and a fan turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Convection Bake at any time.

### NOTE:

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

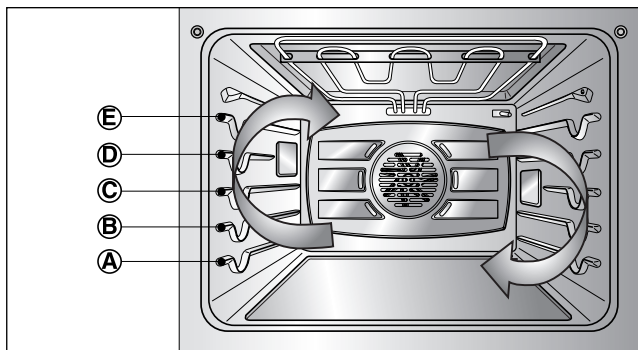
# OPERATING INSTRUCTIONS

## CRISP CONVECTION

### *Benefits of Crisp Convection:*

This crisp convection feature is best for light colored and delicate baked goods like cakes, tarts, cookies, puff pastries, scones, muffins, biscuits, free from yeast breads etc. The fan circulated hot air continually distributes heat more evenly than the natural movement of air in a standard thermal oven. This movement of hot air maintains cooking foods more evenly, crisping surfaces while sealing in moisture and yielding crustier breads. The low thermal capacity of the heating element itself makes it possible to shorten the cooking time as much as 30%.

The meat probe may be used in this feature.



### *Tips for Crisp Convection*

- Time reductions will vary depending on the amount and type of food to be cooked. Choose cookie sheets without sides and roasting pans with 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 Crisp Convection with a single rack, place oven rack in position C. If cooking on multiple racks, place the oven racks in position B and D.
- It is important to uncover foods so that surfaces of food remain exposed to the circulating air, allowing browning and crisping.
- Keep heat loss to a minimum by only opening the oven door when necessary.

### *To set the oven for Crisp Convection 375°F:*



① Touch **CLEAR/OFF**.

② Touch **Crisp Conv.**

③ Touch **3, 7, and 5**.

④ Touch **START**. The display will show 350°F. The preheat (If Convection Auto Conversion is Enabled) melody will sound when the oven temperature reaches adjusted temperature. But if you set the Convection Auto Conversion disabled, the melody will sound when the oven temperature reaches 375°F.

### **IMPORTANT NOTE:**

The heating elements and a fan turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Crisp Convection at any time.

### **NOTE:**

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

## CONVECTION ROAST

This Convection Roast feature is designed to give optimum cooking performance for roasting meats and poultry. Preheating is not necessary for meats and poultry. 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 Roast is especially good for large tender cuts of meat. The meat probe may be used in this feature.

### *To set the Convection Roast feature (example for Meats to cook at 375°F):*



① Touch **CLEAR/OFF**.



② Touch **Conv. Roast**.



③ Touch **3, 7, and 5**.



④ Touch **START**. The display will show 350°F. The preheat (If Convection Auto Conversion is Enabled) melody will sound when the oven temperature reaches adjusted temperature. But if you set the Convection Auto Conversion disabled, the melody will sound when the oven temperature reaches 375°F.

### **IMPORTANT NOTE:**

The heating elements and a fan turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

When preparing meats for roasting, use the broiler pan and grid. The broiler pan will catch grease spills and the grid will help prevent grease splatters.

Touch **CLEAR/OFF** to cancel the Convection Roast feature at any time.

### **NOTE:**

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

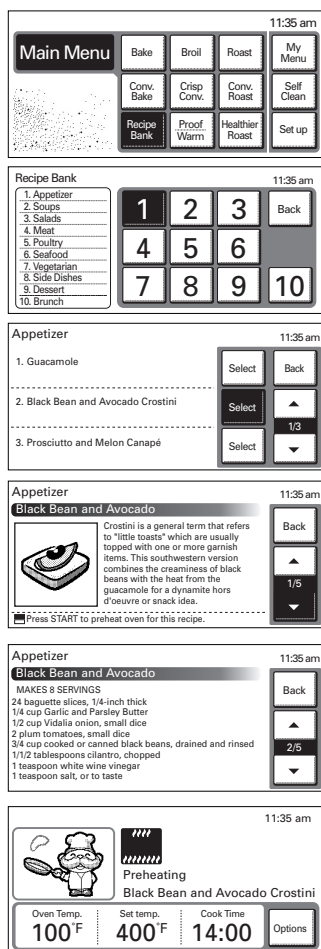


# OPERATING INSTRUCTIONS

## RECIPE BANK

The Recipe bank features 100 recipes, with 10 categories, for the at home chef. Preset cooking cycles are available on many of these recipes.

**To set the Recipe Bank feature for an automatic cooking (example Black Bean and Avocado Crostini):**



1 Touch **Recipe Bank**.

2 Touch **1 Appetizer**.

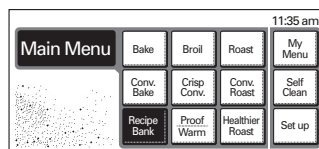
3 Touch **Select** next to 2. Black Bean and Avocado Crostini.

4 Touch the **UP** or **Down** arrows to scroll through the recipe.

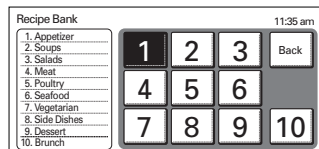
5 Touch **START**. The feature will automatically preheat the oven.

6 Place your food in the oven and press **START**. The oven will countdown the cook time and shut off the oven automatically.

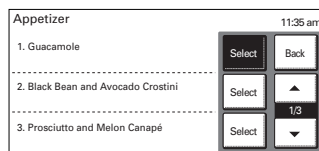
**To set the Recipe Bank feature only (example Guacamole):**



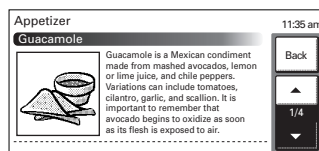
1 Touch **Recipe Bank**.



2 Touch **1 Appetizer**.



3 Touch **Select** next to 1 Guacamole.



4 Touch the **UP** or **Down** arrows to scroll through the recipe.

### IMPORTANT NOTE:

The heating elements or a fan turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Touch **CLEAR/OFF** to cancel Recipe Bank at any time.

You can also change the cook time to your own cook time by touching **Options**.

### NOTE:

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.



## PROOF

The proof feature maintains a warm environment useful for rising yeast-leavened products. The proof feature automatically provides the optimum temperature for the proof process, and therefore does not have a temperature adjustment. Touch **START** without touching the numeric keys if you don't want to set a specific proofing time.

### *How to Set the Oven For Proofing (example for 1 hour):*

- 1 Touch **CLEAR/OFF**.
- 2 Touch **Proof/Warm**.
- 3 Touch **Proof**.
- 4 Touch **1**, **0**, and **0**.
- 5 Touch **START**.

### IMPORTANT NOTE:

The heating elements and a fan turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

To avoid lowering the oven temperature and lengthening proofing time, do not open the oven door unnecessarily. Proofing status can be checked with the door closed using the oven light. Check bread products often to avoid over-proofing.

Do not use the proofing mode for warming food or keeping food hot. The proofing oven temperature is not hot enough to hold foods at safe temperatures.

Proofing will not operate when the oven is above 125°F. **Oven is Hot** will show in the display.

Touch **CLEAR/OFF** to cancel Proof at any time.

## WARM

The Warm feature will maintain an oven temperature less than 200°F. This feature is not designed to reheat cold foods. This feature will keep cooked foods warm for serving up to 3 hours. After 3 hours, the Warm feature will shut the oven off automatically. This feature may be used without any other cooking operations.

The Warm feature can be programmed with the TIMED BAKE OR DELAYED TIMED BAKE when you want the Warm feature to turn ON automatically after cooking has finished. Refer to the USING COOK & WARM feature section on page 28.

The Warm feature has three temperature levels:  
High = 200°F, Med = 170°F, Low = 140°F

### *To set the Warm feature*

- 1 Touch **CLEAR/OFF**.

### NOTE:

After any cooking cycle has been completed cooling fans will operate to protect the control panel. This is normal.

- 2 Touch **Proof/Warm**.
- 3 Touch **Warm**.
- 4 Touch **High** or **Med** or **Low**.
- 5 Touch **START**.

### IMPORTANT NOTE:

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Do not use plastic containers, lids, or plastic wrap. Cover them with an oven-safe lids or aluminum foil.

Touch **CLEAR/OFF** to cancel Warm at any time.

# OPERATING INSTRUCTIONS

## HEALTHIER ROAST

This Healthier Roast feature is designed to give cooking results of low fat, low calorie for roasting meats and poultry. Healthier Roasting can reduce the fat up to 20% compared to regular roasting. Fat reduction rate may vary according to the kinds or cuts of meat. This test results based on roast beef by a certified organization.

Preheating is not necessary for meats and poultry. Heating system of the healthier roast feature makes the food from all sides, sealing in juices and flavors. Foods are crispy brown on the outside while staying moist on the inside. Extra cooking time may be needed for this feature.

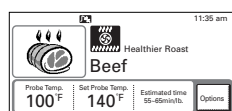
The meat probe should be used in this feature.  
(Refer to the HEALTHIER ROASTING CHART)



**NOTE:** This icon will appear in the display when the oven probe is plugged into the socket.

**To set the Healthier Roast feature  
(example for Beef with probe temperature  
140°F):**

- 1 Before using this feature, insert the meat probe into the meats or poultry.
- 2 Touch **CLEAR/OFF**.
- 3 Touch **Healthier Roast**.
- 4 Touch **Beef**.
- 5 Touch **1**, **4**, and **0** to set the desired probe temperature or touch **Clear** to reset the temperature.
- 6 Touch **START** to run this feature. The display will show the current probe temperature and the set probe temperature.



CLEAR  
OFF

- 7 A melody will sound and the display will show **Cycle completed** and the time of day when the probe temperature reaches the set probe temperature. The oven will shut off automatically. The control will continue to sound the cook end alarm melody every minute until **CLEAR/OFF** is touched.

### IMPORTANT NOTE:

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

When preparing meats for roasting, use the broiler pan and grid. The broiler pan will catch grease spills and the grid will help prevent grease splatters.

Touch **CLEAR/OFF** to cancel Healthier Roast at any time.















### HEALTHIER ROASTING CHART

Menu	Meat Probe Temp.	
	Temp. range	Default Temp.
1. Beef	140~170°F (60~77°C)	160°F (71°C)
2. Pork	160~190°F (71~88°C)	170°F (77°C)
3. Lamb	140~170°F (60~77°C)	160°F (71°C)
4. Chicken	165~180°F (74~82°C)	180°F (82°C)
5. Turkey	165~180°F (74~82°C)	175°F (79°C)

## MY MENU




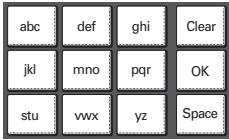

My Menu feature is used to record and recall your favorite recipe settings. This feature may store and recall up to 10 different settings. The My Menu setting may be used with Timed Bake feature. This feature will not work with any other function including Delay Timed Cook feature.

**To set the My Menu feature**  
(example recording for *Crisp Conv.* at 350°F for 30 minutes):

-  ① Touch **My Menu**.
-  ② Touch **Create**.
-  ③ Touch **Crisp Conv.**
-    ④ Touch **3, 5, and 0**.
-  ⑤ Touch **Options**.
-  ⑥ Touch **Cook Time**.
-   ⑦ Touch **3, 0**.
-  ⑧ Touch **Options**.
-  ⑨ Touch **OK**.
-  ⑩ Touch the corresponding pads with the letters you wish to choose. Example for C press the "abc" pad 3 times.
-  ⑪ Touch **OK**.

**NOTE:**  
Touch **CLEAR/OFF** or **Main Menu** to go back to the main menu at any time.  
It should not be used during broiling, self cleaning, warming, proofing or recipe bank feature.


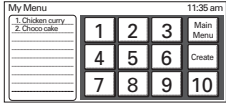

**To set the My Menu feature during setting:**

-  ① Touch **Bake**.
-  ② Touch **Options**.
-  ③ Touch **Add to my menu**.
-  ④ Touch the corresponding pads with the letters you wish to choose. Example for C press the "abc" pad 3 times.
-  ⑤ Touch **OK**.


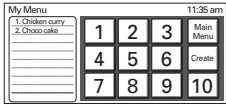

**NOTE:**

Touch **Main Menu** key to go back to the main menu at any time.

**To start the My Menu feature recorded:**

-  ① Touch **My Menu**.
-  ② Touch **the number** you want to recall.
-  ③ Touch **START**.

**To delete the menu from the My Menu feature:**

-  ① Touch **My Menu**.
-  ② Touch **the number** you want to delete from the My Menu list.
-  ③ Touch **Delete** to confirm.

**NOTE:**

Touch **CLEAR/OFF** or **Main Menu** to go back to the main menu at any time.

# OPERATING INSTRUCTIONS

## COOK & WARM

The Cook & Warm feature can only be used with Timed Cook or Delayed Timed Cook feature. This feature is not designed to reheat cold foods. This feature will maintain an oven temperature of 170° F. This feature will keep cooked foods warm for serving up to 3 hours. After 3 hours, the Cook & Warm feature will shut the oven off automatically.

### To use the Cook & Warm feature:



- 1 Follow the Timed Bake steps. See page 16.
- 2 The **Cook & Warm** key will be selectable in the display when the cook has been set. Touch **Cook & Warm** key. The display will show the Cook & Warm icon ( ).



- 3 Touch **START** to hold foods warm after the cooking is finished.
- 4 To turn Cook & Warm OFF, touch **Options** then touch **Cook & Warm**.

### IMPORTANT NOTE:

The heating elements turn off immediately when the door is opened. They will turn on again in approximately 5 seconds after the door is closed. If you leave the oven door open for more than 30 minutes, all settings are canceled.

Do not use plastic containers, lids, or plastic wrap. Cover them with an oven-safe lids or aluminum foil.

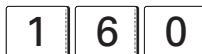
## MEAT PROBE

The meat probe accurately measures the internal temperature of meat, poultry and casseroles. It should not be used during broiling, self cleaning, warming, proofing or recipe bank feature. 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 meat or into the inner thigh or breast of poultry, away from fat or bone. Place food in the oven and connect the meat probe to the jack. Keep the probe as far away from heat source as possible. Close the oven door. The meat probe icon ( ) will flash and a warning beep will sound until the probe is removed if the oven starts cooking without setting the probe temperature.

### To use the Meat Probe feature (example for Roast 375°F with probe temp. 160°F)



- 1 Touch **CLEAR/OFF** to use the main menu.
- 2 Touch **Roast**.
- 3 Touch **3, 7, and 5**.



- 4 Touch **Options**.
- 5 Touch **Probe Temp**.
- 6 Touch **1, 6, and 0**.
- 7 Touch **START**.

The default probe temperature is 150°F (66°C), but can be changed to any temperature between 80°F (27°C) and 210°F (99°C). The display will show the changing probe temperature. When the set probe temperature is reached, the oven will shut off automatically and **Cycle completed** will appear on the display.

### NOTE:

Calculating a total cooking time by weight is no longer necessary using this feature. Following chart is recommended for setting the probe temperature.



## WARNING

- Always use an oven mitt to remove temperature probe. Do NOT touch broil element.  
- Failure to do so can result in severe personal injury.

# OPERATING INSTRUCTIONS

## MEAT PROBE (cont.)

*To change the Meat Probe temperature during cooking:*

Options

Probe Temp.

1

2

3

Clear

4

5

6

7

8

9

0

START

1 Touch **Options**.

2 Touch **Probe Temp**.

3 Set the probe temperature

4 Touch **START**.

### IMPORTANT NOTE:

Touch **CLEAR/OFF** to cancel Meat Probe at any time. To avoid breaking the probe, make sure food is completely defrosted before inserting.

## RECOMMENDATION CHART FOR PROBE TEMPERATURE


Doneness	Probe Temp.
<b>Beef, Lamb and Veal</b>	
Rare	140° F (60° C)
Medium Rare	145° F (63° C)
Medium	160° F (71° C)
Well Done	170° F (77° C)
<b>Pork</b>	
Well Done	170° F (77° C)
<b>Poultry</b>	
Breast, Well Done	170° F (77° C)
Thigh, Well Done	180° F (82° C)
Stuffing, Well Done	165° F (74° C)

## CONTROL LOCK FEATURE

The START key controls the Control Lock feature. The Control Lock feature automatically locks most oven controls from being turned ON. It does not disable the timer and the interior oven light. The Control Lock feature will cancel the cooking mode and will lock the oven controls at any time when you activate this feature.


### To activate the Control Lock feature:



- 1 Touch and hold **START** for 4 seconds.
- 2 Lock melody will sound and the lock icon (  ) will appear in the display.

### To Deactivate the Control Lock feature:



- 1 Touch and hold **START** for 4 seconds.
- 2 Unlock melody will sound and the lock icon (  ) will clear in the display.
- 3 The oven is again fully operational.

## TO TURN ON/OFF THE OVEN LIGHT

The oven lights automatically turn on when the door is opened. The oven lights may also be manually turned ON or OFF by touching the OVEN LIGHT key. Three halogen lamps will light the oven from 3 directions.

### IMPORTANT NOTE:

If the oven light is ON by touching the oven light key, the light is ON even if the door is closed. The oven light key can be operated while the door is opened.

The oven lights cannot be turned on if the self-clean feature is active and oven temperature is more than 500° F while the door is unlocking after the self-clean.

# OPERATING INSTRUCTIONS

## SELF-CLEAN

The self-clean cycle uses above normal cooking temperatures to clean the oven's interior automatically.

It is normal for smoking to occur during cleaning if the oven is heavily soiled. It is better to clean the oven regularly rather than to wait until there is a heavy build-up of soil in the oven.

During the cleaning process, the kitchen should be well ventilated to get rid of normal odors associated with cleaning.

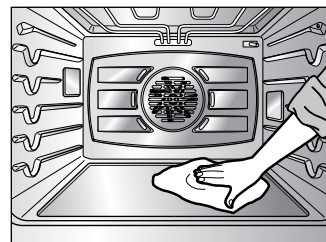
### **⚠ CAUTION**

- **DO NOT leave small children unattended near the appliance.**
  - During the self-cleaning cycle, the outside of the oven can become very hot to touch.
- **Move Birds to another well-ventilated room.**
  - The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any oven.
- **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 destroy heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven.)
- **DO NOT force the door open.**
  - This can damage the automatic door locking system. Use care when opening the oven door after the self-cleaning 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.
- **DO NOT block the oven vent(s) during the self-cleaning cycle.**
  - This can damage the electric parts of the oven. Air must be able to move freely.

### **Before a self-clean Cycle**

We recommend venting your kitchen with an open window or using a ventilation fan or hood during the first self-clean cycle.

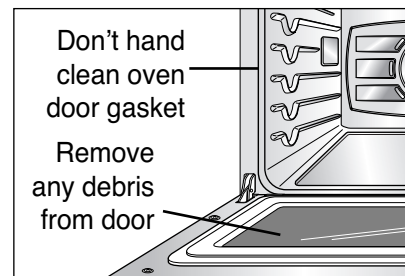
Remove the oven racks, broiler pan, broiler grid, all cookware, and aluminum foil or any other material from the oven.



Wipe up heavy soil on the oven bottom.

### **NOTE:**

Remove all racks including the telescoping rack before you begin a self clean cycle.



Don't hand clean oven door gasket

Remove any debris from door

- The silver-colored oven racks can be self-cleaned, but they will darken, lose their luster, and become hard to slide. It is recommended to remove all racks before starting the self clean cycle.
- Soil on the front frame of the range and outside the gasket on the door will need to be cleaned by hand. Clean these areas with hot water, soap-filled steel-wool pads, or cleansers such as Soft Scrub; Rinse well with clean water and dry.
- 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.
- Wipe up any heavy spillovers on the oven bottom.
- Make sure the oven light bulb cover is in place and the oven light is off.
- Do not leave baking/ pizza stone in the oven during the self-clean cycle.



## SELF-CLEAN (cont.)

This SELF-CLEAN key is used to start a self-clean cycle. When used with Start Time key, a delayed self-clean cycle may also be programmed. The self-clean function has cycle times of 2 (Light), 3 (Normal) or 4 (Heavy) hours.

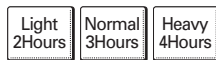
### To start an immediate self-clean cycle and shut off automatically



- 1 Touch **CLEAR/OFF**.




- 2 Touch **Self Clean**.



- 3 Touch **Light** for light soil or **Normal** for average soil or **Heavy** for heavy soil. A **Normal (3 hours)** self-clean time is recommended for use when cleaning small, contained spills. A Heavy (4 hours) self-clean time is recommended for heavily soiled ovens.



- 4 Touch **START**. The door lock icon (  ) will flash. The oven door will lock automatically. You will not be able to open the oven door until the oven is cooled. The lock will release automatically.



### During the self-clean cycle

- You may see some smoke and smell an odor the first few times the oven is cleaned. This is normal and will lessen in time. Smoke may also occur if the oven is heavily soiled or if a broiler pan was left in the oven.
- As the oven heats, you may hear sounds of metal parts expanding and contracting. This is normal and will not damage the oven.
- Do not force the oven door open when LOCK is displayed. The oven door will remain locked until the oven temperature has cooled. Forcing the door open will damage the door.

### To set a delay start time of 12:00 am

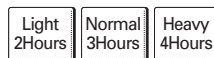


- 1 Be sure the clock is set with the correct time of day, the oven is empty and the oven door is closed.

- 2 Touch **CLEAR/OFF**.



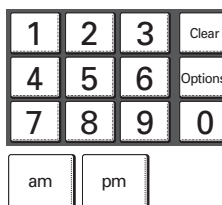
- 3 Touch **Self Clean**.



- 4 Touch **Light** for light soil or **Normal** for average soil or **Heavy** for heavy soil.



- 5 Touch **Start Time**.



- 6 Touch the numeric keys in the display (Touch **1**, **2**, and **0**, **0**) and then touch **Options** for selecting **am** or **pm**. The oven door will lock and the display will show the start time. If the oven clock is set to 24 hours display, **Options** will not be able to function for selecting **am** or **pm**.



- 7 Touch **START**. The self-cleaning cycle will turn on automatically at the set time.



### IMPORTANT NOTE:

If it becomes necessary to stop or interrupt a self-cleaning cycle due to excessive smoke or fire in the oven, touch **CLEAR/OFF** to cancel self-clean at any time. The door lock will automatically release allowing you to open the oven door after the oven has cooled down.

# OPERATING INSTRUCTIONS

## SELF-CLEAN (cont.)

**To change the setting during the operation of this self-clean feature:**



❶ Touch **Options**.



❷ Touch **Light** for light soil or **Normal** for average soil or **Heavy** for heavy soil.



❸ Touch **START** to confirm the change.

### NOTE:

When using the self-clean feature:

- A self-clean cycle cannot be started if Control Lock feature is active.
- Once the SELF CLEAN is set, the oven door will lock automatically. You will not be able to open the oven door until the oven is cooled. The lock will release automatically.
- Once the door has been locked the DOOR LOCKED indicator light will stop flashing and remain on. Allow about 15 seconds for the oven door lock to engage.
- The oven can be set the cycle time and start time again with touching the **Options** key during the self-clean feature is operating if it is necessary.

**When the self-clean cycle is done**

- It will not be possible to open the oven door until oven temperature has cooled.

**After the self-clean cycle**

- You may notice some white ash in the oven. Wipe it off with a damp cloth after the oven cools. These deposits are usually a salt residue that cannot be removed by the clean cycle. If the oven is not clean after one clean cycle, repeat the cycle.
- If oven racks were left in the oven and do not slide smoothly after a clean cycle, wipe racks and rack supports with a small amount of vegetable oil to make them glide easier.
- Fine lines may appear in the porcelain because it went through heating and cooling. This is normal and will not affect performance.



## CARE & CLEANING

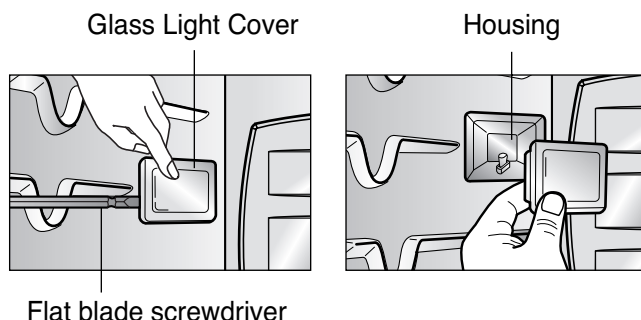
### *Changing the Oven Light*

The oven light is a standard 10-watt halogen bulb for ovens.

#### **To replace lamps located on the side wall:**

##### **• Make sure oven and bulb are cool.**

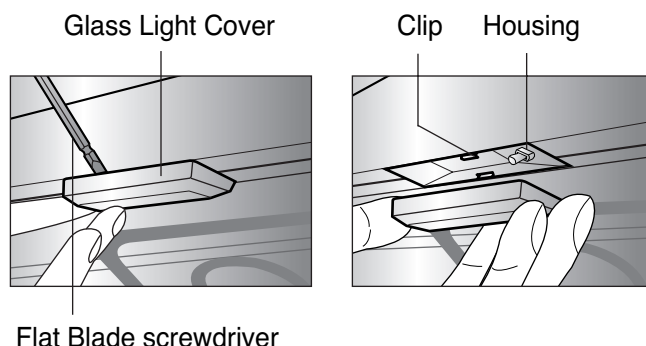
1. Unplug oven or disconnect power.
2. Remove oven racks.
3. Slide a flat blade screwdriver between the housing and the glass light cover.
4. Support the glass light cover with two fingers to prevent the cover from falling to the bottom of the oven.
5. Gently twist the screwdriver blade to loosen the glass light cover.
6. Remove bulb from socket.
7. Replace bulb, replace light cover by snapping back into place.
8. Plug in oven or reconnect power.



#### **To replace a lamp located on the top wall:**

##### **• Make sure oven and bulb are cool.**

1. Unplug oven or disconnect power.
2. Remove oven racks.
3. Slide a flat blade screwdriver between the housing and the glass light cover.
4. Support the glass light cover with two fingers to prevent the cover from falling to the bottom of the oven.
5. Gently twist the screwdriver blade to loosen the glass light cover.
6. Remove bulb from socket.
7. Replace bulb, replace light cover by snapping back into place and push the clip to hold the glass light cover tightly.
8. Plug in oven or reconnect power.



### **⚠ WARNING**

- Before replacing your oven light bulb, **DISCONNECT** 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.
- Make sure oven and bulb are cool.

### **Painted Parts and Trim**

For general cleaning, use a cloth with hot and soapy water. For more difficult soils and built-up grease, apply a liquid detergent directly onto the soil. Leave on soil for 30 to 60 minutes. Rinse with a damp cloth and dry. **DO NOT** use abrasive cleaners on any of these materials; they can scratch the parts and trim.

### **Stainless Steel Surfaces**

Do not use a steel-wool pad, it will scratch the surface.

1. Place a small amount of Stainless Steel Appliance Cleaner or polish on a damp cloth or damp 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:** If a mineral oil-based stainless steel appliance cleaner has been used before to clean the appliance, wash the surface with a mild soap and water prior to using the Stainless Steel Appliance Cleaner or polish.

## CARE & CLEANING (cont.)

### Broiler Pan and Grid

**Do not clean the broiler pan or grid in a self-cleaning mode.**

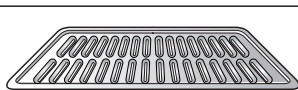
After broiling, remove the broiler pan from the oven. Remove the grid from the pan. Carefully pour out the grease from the pan into a proper container.

**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.**

Both the broiler pan and grid can also be cleaned in a dishwasher.

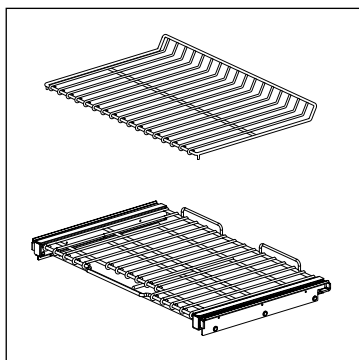


Do not store a soiled broiler pan and grid anywhere in the oven.

### Oven Racks

Remove the oven racks before operating the self-clean cycle. Leaving the racks in place could cause discoloration. If food is spilled in the tracks, it could cause the racks to become stuck. If left, clean by using a mild, abrasive cleaner.

Rinse with clean water and dry. If the racks are cleaned in the self-clean cycle, their color will turn slightly blue and finish will be 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 easier into the rack tracks.



### Oven Cavity

DO NOT use oven cleaners.

NEVER wipe a warm or hot porcelain surface with a damp sponge; it may cause chipping or crazing (tiny hairlike cracks.) Food spills should be cleaned when oven cools. At high temperature, foods react with porcelain and a permanent dull spot can result. When cleaning a spot, use only non-abrasive cleaners or scrubbers.

### Oven Door

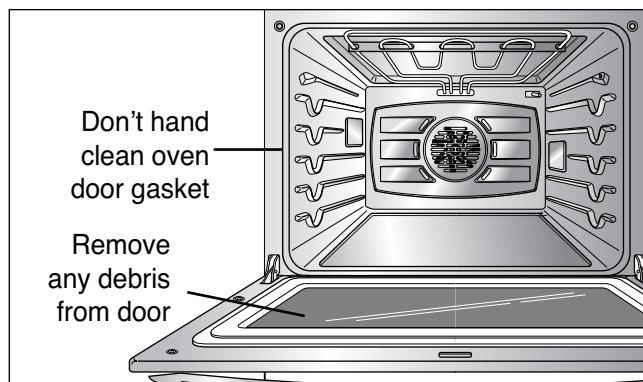
Use soap and water to thoroughly clean the top, sides, and front of the oven door. Rinse well. You may use a glass cleaner on the outside glass of the oven door.

**DO NOT immerse the door in water. DO NOT spray or allow water or the glass cleaner to enter the door vents.** DO NOT use oven cleaners, cleaning powders, or any 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 which is essential for a good seal. Care should be taken not to rub, damage, or remove this gasket.

### CAUTION

- **DO NOT use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface.**
- It may result in shattering of the glass.



## REMOVING & REPLACING THE LIFT-OFF OVEN DOOR

### ⚠ CAUTION

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

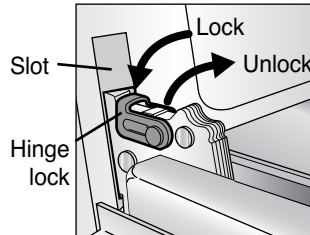
#### To remove the door:

##### Step. 1

Open the door fully.

##### Step. 2

Pull the hinge locks down toward the door frame to the unlocked position.

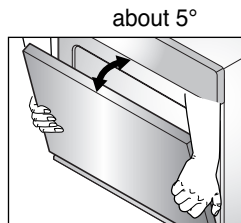


##### Step. 3

Firmly grasp both sides of the door at the top.

##### Step. 4

Close door to the door removal position, which is approximately 5 degrees.



##### Step. 5

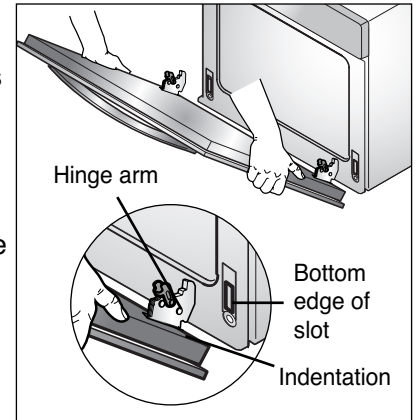
Lift door up and out until the hinge arm is clear of the slot.

##### Step. 1

Firmly grasp both sides of the door at the top.

##### Step. 2

With the door at the same angle as the removal position, seat the indentation of the hinge arm into the bottom edge of the hinge slot. The notch in the hinge arm must be fully seated into the bottom of the slot.

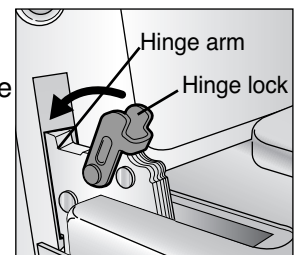


##### Step. 3

Open the door fully. If the door will not open fully, the indentation is not seated correctly in the bottom edge of the slot.

##### Step. 4

Push the hinge locks up against the front frame of the oven cavity to the locked position.



##### Step. 5

Close the oven door.

## DOOR CARE INSTRUCTIONS

- Most oven doors contain glass that can break.

#### Read the following recommendations:

1. Do not close the oven door until all the oven racks are fully in place.

2. Do not hit the glass with pots, pans, or any other object.
3. Scratching, hitting, jarring, or stressing the glass may weaken its structure causing an increased risk of breakage at a later time.

# TROUBLESHOOTING

## BEFORE CALLING FOR SERVICE

Before you call for service, review this list. It may save you time and expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Problem	Possible Causes / Solutions																				
Oven control beeps and displays any F code error.	<ul style="list-style-type: none"> <li>Electronic control has detected a fault condition. Press <b>CLEAR/OFF</b> to clear the display and stop beeping. Reprogram oven. If fault reoccurs, record fault number. Press <b>CLEAR/OFF</b> and contact a qualified service technician.</li> </ul> <table> <tr> <th>Code</th><th>Rack Position</th></tr> <tr> <td>F-1</td><td>Opened oven sensor</td></tr> <tr> <td>F-2</td><td>Shorted oven sensor</td></tr> <tr> <td>F-3</td><td>Touch sensor key error</td></tr> <tr> <td>F-6</td><td>Oven is too hot</td></tr> <tr> <td>F-8</td><td>Shorted meat probe</td></tr> <tr> <td>F-9</td><td>Oven is not heating</td></tr> <tr> <td>F-10</td><td>Door lock fail</td></tr> <tr> <td>F-11</td><td>Communication error</td></tr> <tr> <td>F-12</td><td>EEPROM error</td></tr> </table>	Code	Rack Position	F-1	Opened oven sensor	F-2	Shorted oven sensor	F-3	Touch sensor key error	F-6	Oven is too hot	F-8	Shorted meat probe	F-9	Oven is not heating	F-10	Door lock fail	F-11	Communication error	F-12	EEPROM error
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F-9	Oven is not heating																				
F-10	Door lock fail																				
F-11	Communication error																				
F-12	EEPROM error																				
Oven will not work	<ul style="list-style-type: none"> <li>Plug on oven is not completely inserted in the electrical outlet. <ul style="list-style-type: none"> <li>Make sure electrical plug is plugged into a live, properly grounded outlet.</li> </ul> </li> <li>A fuse in your home may be blown or the circuit breaker tripped. <ul style="list-style-type: none"> <li>Replace the fuse or reset the circuit breaker.</li> </ul> </li> <li>Oven controls improperly set. <ul style="list-style-type: none"> <li>See the Using the oven section.</li> </ul> </li> <li>Oven too hot. <ul style="list-style-type: none"> <li>Allow the oven to cool to below locking temperature.</li> </ul> </li> </ul>																				
Appliance does not operate.	<ul style="list-style-type: none"> <li>Make sure cord is plugged correctly into outlet. Check circuit breakers.</li> <li>Service wiring is not complete. Contact your appliance Servicer for assistance.</li> <li>Power outage. Check house lights to be sure. Call your local electric company for service.</li> </ul>																				
Oven light does not work.	<ul style="list-style-type: none"> <li>Replace or tighten bulb. See <b>Changing Oven Light</b> section in this Owner's manual.</li> </ul>																				
Oven smokes excessively during broiling.	<ul style="list-style-type: none"> <li>Control not set properly. Follow instructions under Setting Oven Controls.</li> <li>Meat too close to the element. Reposition the rack to provide proper clearance between the meat and the element. Preheat broil element for searing.</li> <li>Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean.</li> <li>Insert on broiler pan wrong side up and grease not draining. Always place grid on the broiler pan with ribs up and slots down to allow grease to drip into pan.</li> <li>Grease has built up on oven surfaces. Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.</li> </ul>																				

## BEFORE CALLING FOR SERVICE (cont.)

Problem	Possible Causes / Solutions
<b>Food does not bake or roast properly</b>	<ul style="list-style-type: none"> <li>• Oven controls improperly set. <ul style="list-style-type: none"> <li>- See the using the oven section.</li> </ul> </li> <li>• Rack position is incorrect or the rack is not level. <ul style="list-style-type: none"> <li>- See the using the oven section.</li> </ul> </li> <li>• Incorrect cookware or cookware of improper size being used. <ul style="list-style-type: none"> <li>- See the using the oven section.</li> </ul> </li> <li>• Oven sensor needs to be adjusted. <ul style="list-style-type: none"> <li>- See the adjusting your oven temperature in option section.</li> </ul> </li> </ul>
<b>Food does not broil properly</b>	<ul style="list-style-type: none"> <li>• Oven controls improperly set. <ul style="list-style-type: none"> <li>- Make sure you press the <b>BROIL</b> pad.</li> </ul> </li> <li>• Improper rack position being used. <ul style="list-style-type: none"> <li>- See the <b>Broiling Guide</b>, page 19.</li> </ul> </li> <li>• Cookware not suited for broiling. <ul style="list-style-type: none"> <li>- Use the broiling pan and grid that came with your oven.</li> </ul> </li> <li>• Aluminum foil used on the the broiling pan and grid has not been fitted properly and slit as recommended. <ul style="list-style-type: none"> <li>- See the using the oven section.</li> </ul> </li> <li>• In some areas the power (voltage) may be low. <ul style="list-style-type: none"> <li>- Preheat the broil element for 10 minutes.</li> <li>- See the <b>Broiling Guide</b>, page 19.</li> </ul> </li> </ul>
<b>Oven temperature too hot or too cold</b>	<ul style="list-style-type: none"> <li>• Oven Sensor needs to be adjusted. <ul style="list-style-type: none"> <li>- See the adjusting your oven Temperature in option section.</li> </ul> </li> </ul>
<b>Oven will not self-clean</b>	<ul style="list-style-type: none"> <li>• The oven temperature is too high to set a self-clean operation. <ul style="list-style-type: none"> <li>- Allow the oven to cool and reset the controls.</li> </ul> </li> <li>• Oven controls improperly set. <ul style="list-style-type: none"> <li>- See the using the self-cleaning oven section.</li> </ul> </li> <li>• A self-clean cycle cannot be started if oven door is opened.</li> </ul>
<b>Crackling or popping sound</b>	<ul style="list-style-type: none"> <li>• This is the sound of the metal heating and cooling during both the cooking and cleaning functions. <ul style="list-style-type: none"> <li>- This is normal.</li> </ul> </li> </ul>
<b>Excessive smoking during a self clean cycle</b>	<ul style="list-style-type: none"> <li>• Excessive soil. <ul style="list-style-type: none"> <li>- Press the CLEAR/OFF pad. 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.</li> </ul> </li> </ul>
<b>Oven door do not open after a self clean cycle</b>	<ul style="list-style-type: none"> <li>• Oven is too hot. <ul style="list-style-type: none"> <li>- Allow the oven to cool below locking temperature.</li> </ul> </li> </ul>

# TROUBLESHOOTING

## BEFORE CALLING FOR SERVICE (cont.)

Problem	Possible Causes / Solutions
<b>Oven not clean after a self clean cycle</b>	<ul style="list-style-type: none"><li>• Oven controls not properly set.<ul style="list-style-type: none"><li>- See the self-clean section, page 30~32.</li></ul></li><li>• Oven was heavily soiled.<ul style="list-style-type: none"><li>- 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.</li></ul></li></ul>
<b>DOOR LOCKED icon are on when you want to cook</b>	<ul style="list-style-type: none"><li>• The oven door is locked because the temperature inside the oven has not dropped below the locking temperature.<ul style="list-style-type: none"><li>- Press the CLEAR/OFF pad. Allow the oven to cool.</li></ul></li></ul>
<b>Burning or oily odor emitting from the vent</b>	<ul style="list-style-type: none"><li>• This is normal in a new oven and will disappear in time.<ul style="list-style-type: none"><li>- To speed the process, set a self-clean cycle for a minimum of 3 hours. See the self-clean section, page 30~32.</li></ul></li></ul>
<b>Cooling fan continues to run after oven is turned off</b>	<ul style="list-style-type: none"><li>• The fan turns off automatically when the electronic components have cooled sufficiently.<ul style="list-style-type: none"><li>- This is normal.</li></ul></li></ul>
<b>Warm air venting into kitchen after oven has been turned off.</b>	<ul style="list-style-type: none"><li>• Warm air exhaust is needed to maintain and cool down oven temperatures. It turns off automatically when the heat cools to a safe temperature.<ul style="list-style-type: none"><li>- This is normal.</li></ul></li></ul>

# LG ELECTRIC OVEN LIMITED WARRANTY – USA

LG Electronics Inc. will repair or replace your product, at LG's option, if it proves to be defective in material or workmanship under normal use, during the warranty period set forth below, effective from the date of original consumer purchase of the product. This limited warranty is good only to the original purchaser of the product and effective only when used in U.S.A.

WARRANTY PERIOD:	HOW SERVICE IS HANDLED:
<b>One Year</b> From the date of the original purchase	<b>Any part</b> of the oven which fails due to a defect in materials or workmanship. During this <b>full one-year warranty</b> , LG will also provide, <b>free of charge</b> , all labour and in-home service to replace the defective part.

**THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. LG WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS, IN CONNECTION WITH THE PRODUCT. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.**

***THIS LIMITED WARRANTY DOES NOT APPLY TO:***

1. Service calls to correct the installation of your appliance, to instruct you how to use your appliance, to replace house fuses or correct house wiring, or to replace owner-accessible light bulbs.
2. Repairs when your appliance is used in other than normal, single-family household use.
3. Pickup and delivery. Your appliance is designed to be repairable in the home.
4. Damage resulting from accident, alteration, misuse, abuse, fire, flood, improper installation, acts of God, or use of products not approved by LG Corporation.
5. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
6. Replacement parts or repair labour costs for units operated outside the united states.
7. Any labour costs during the limited warranty period.

This warranty is extended to the original purchaser for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from states to states. To know what your legal rights are, consult your local or state consumer affairs or your state's Attorney General.

***CUSTOMER ASSISTANCE INFORMATION:***

<b>To Prove Warranty Coverage</b>	<b>Retain your Sales Receipt to prove date of purchase.</b> A copy of your Sales Receipt must be submitted at the time warranty service is provided.
<b>To Obtain Nearest Authorized Service Center or Sales Dealer, or to Obtain Product, Customer, or Service Assistance</b>	<b>Call 1-800-243-0000</b> (Phone answered 24 hours - 365 days a year) and choose the appropriate prompt from the menu; or visit our website at: <b><a href="http://us.lgservice.com">http://us.lgservice.com</a></b> .

# MEMO





**LG Customer Information Center**

**1-800-243-0000** USA, Consumer User

**1-888-865-3026** USA, Commercial User

**Register your product Online!**

**[www.lg.com](http://www.lg.com)**

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