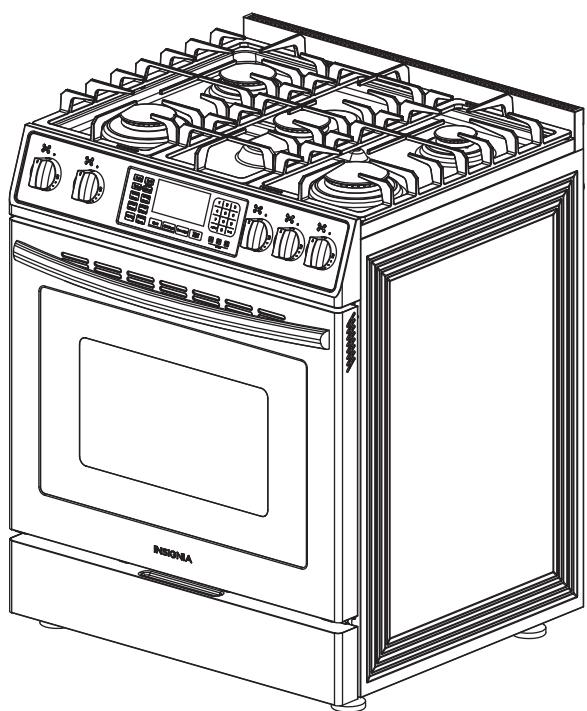


INSIGNIA™

# 4.8 Cu. Ft. Gas Convection Range with Self Clean and Air Fry

NS-RGFCGS2



Before using your new product, please read these instructions to prevent any damage.

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## Before you begin

READ THESE INSTRUCTIONS COMPLETELY AND CAREFULLY.

### Important note to the installer

- Read all instructions contained in the *Installation* section before installing the range. See Installing on page 16.
- Remove all packing materials from the oven compartments before connecting the electric and gas supply to the range.
- Observe all governing codes and ordinances.
- Be sure to leave these instructions with the consumer.
- Installation of this appliance requires basic mechanical skills.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.

**Important note to the consumer**

- Keep your user manual for future 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.
- Make sure the wall coverings around the range withstand the heat generated by the range.
- Cabinet storage space above the surface burners should be a minimum of 30 in. (76.2 cm).

**Important note to the servicer**

- The electrical diagram is attached to the back of the range.

**Safety Symbols**

What the icons and signs in this user manual mean:

 <b>WARNING</b>	You can be killed or seriously injured if you do not follow instructions.
 <b>CAUTION</b>	Minor injury or property damage can result if you don't follow instructions.
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicitly.
	Unplug the power cord from the electrical outlet.
	Make sure the range is plugged into an earth grounded electrical outlet to prevent electric shock. An outlet equipped with a Ground Fault Interrupter (GFI) is highly recommended.
	Call the service center for help.
	Note

These warning signs are here to prevent injury to you and others. Please follow them explicitly.  
Do not discard this manual. Please keep it in a safe place for future reference.

# IMPORTANT SAFETY INSTRUCTIONS

## WHAT TO DO IF YOU SMELL GAS

**WARNING** If the information in this manual is not followed exactly, a fire or explosion may result causing property damages, personal injury or death.

— **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

— **WHAT TO DO IF YOU SMELL GAS.**

- **DO NOT** try to light any appliance.
- **DO NOT** touch any electrical switch.
- **DO NOT** use any phone in your building.
- Immediately call your gas supplier from outside the building. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

— Installation and service must be performed by a qualified installer, service agency, or gas supplier.

## ANTI-TIP DEVICE



### WARNING

#### Tip-Over Hazard

- A child or adult can tip the range and be killed.
- Install an anti-tip device to the range and/or structure per installation instructions.
- Engage the range to the anti-tip device installed to the structure.
- Reengage anti-tip device if range is moved.
- Failure to follow these instructions can result in death or serious burns to children or adults.



To prevent accidental tipping of the range, attach an approved and packed anti-tip device to the floor. Check for proper installation by carefully tipping the range forward. The anti-tip device should engage and prevent the range from tipping over.

If the range is pulled out away from the wall for any reason, make sure the anti-tip device is reengaged after the range has been pushed back into place.

Never completely get rid of the leveling legs or the range will not be secured to the anti-tip device properly.

Failure to follow these instructions can result in death, serious personal injury, and/or property damage.

DO NOT step/sit/lean on the door or drawer to prevent accidental tipping of the range.

## IMPORTANT SAFETY PRECAUTIONS



Follow basic precautions when installing and using this range to reduce the risk of fire, electrical shock, injury, or death to persons, including:

### Installation and Service



This range must be properly installed and located in accordance with the installation instructions before it is used.

Professional installation is strongly recommended.

Due to the size and weight of the range, it is highly recommended that two or more people move or install this appliance.

All ranges can tip over and cause severe injuries.

Never try to repair or replace this appliance on your own unless it is specifically recommended in this manual. This appliance should be serviced only by a qualified service technician.

Know the location of the gas shut-off valve and how to shut it off if necessary.

Properly remove or destroy the packaging materials after the appliance is unpacked.

## Electrical/Mechanical



Unplug or disconnect power before servicing.



Do not tamper with the controls.

Grates and griddles (if equipped) are heavy. They can be dangerous if dropped.

The inner portion of the split oven rack (if equipped) could drop down accidentally if not assembled properly. Place the inner rack in the proper position within the outer rack.

Always position the oven racks at the same level on each cavity side. Uneven racks could cause food to slide to the lower side, posing a risk of burns.

## Danger to children



Do not store any object of interest to children on the cooktop or back guard of the range. Children climbing on the range to reach items could be killed or seriously injured.

Do not let little children touch the range.

The cooktop grates and griddle (if equipped) are heavy and presents a risk of injury if dropped on a foot. Teach children not to touch or play with grates or griddle.

The inner rack of the Split Rack can be dropped if it is not assembled properly. Place the Inner rack in the proper place on the Outer rack. Always insert the rack or split rack assembly (if equipped) on the same level of the oven cavity side.

Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.

Keep all packaging materials out of reach of children. Failure to dispose of plastic bags could result in suffocation.

Do not leave children alone or unattended in an area where a range is in use. They should never be allowed to sit or stand on any part of a range.



Teach children not to touch or play with the controls or any part of the range.

Do not leave the oven door open. An opened door could entice children to hang on the door or crawl inside the oven. It is recommended to utilize the control/door lockout feature to reduce the risk of misuse from children.



Before disposing of the range, cut off the power cord to prevent it being connected to a power source. Remove the door to prevent children and animals from getting trapped.

## Fire



Do not touch oven burners or interior surfaces of the oven.

Cooking surfaces, grates, cooktop burners and caps, as well as oven walls may be hot even though they are dark in color. Interior oven surfaces can become hot enough to cause burns. During and after use, do not touch or let clothing or other flammable materials contact oven burners, or interior surfaces of the oven until they have had sufficient time to cool.



Do not let a pot holder touch a hot heating element. Do not use a towel or other bulky cloth as a pot holder.

Do not use your range to heat unopened food containers.



Keep oven vent ducts unobstructed. Clean vents frequently to avoid grease buildup.



Never use your range for warming or heating a room. Doing so could result in carbon monoxide poisoning and/or overheating of the oven.

Loose-fitting or hanging garments should not be worn while using this appliance.

DO NOT STORE OR USE combustible materials, gasoline, or other flammable vapors or liquids in the vicinity of this appliance. See WHAT TO DO IF YOU SMELL GAS on page 5.

Do not pour water into the cooktop well while cleaning the cooktop. This could leak down into the range gas and electrical systems creating a risk of electrical shock or high levels of Carbon Monoxide, due to corrosion of the gas valves or ports.

Do not use water on a grease fire. Water might cause a grease fire to explode, spreading the fire and creating a larger fire and health hazard. Turn off the heat source and smother it with tight-fitting lid or use a multipurpose dry chemical or foam-type fire extinguisher.

Never leave surface units unattended at high heat settings. Boilovers cause smoking, and greasy spillovers could ignite.

Do not use a flame to check for gas leaks. Use a soapy water mixture around the area you are checking instead. If there is a gas leak, you will see small bubbles in the soapy water mixture at the point of the leak.

Do not place portable appliances, or any other object other than cookware on the cooktop. Damage or fire could occur if cooktop is hot.

Do not attempt to operate this appliance if it is damaged, malfunctioning, or has missing or broken parts.

Never place plastic, paper, or other items that could melt or burn near the oven vents or any of the surface burners.

#### Steam and Vapors



Use care when opening the oven door. Let hot air or steam escape before removing or placing food in a hot oven.

Use only dry pot holders. Moist or damp pot holders on hot surfaces may result in burns from steam.

## GAS WARNINGS



If the information in this manual is not followed exactly, a fire or explosion may result, causing death, personal injury, or property damage.

**WARNING**

- 1 DO NOT light a match, candle, or cigarette.
- 2 DO NOT turn on any gas or electric appliances.
- 3 DO NOT touch any electrical switches.
- 4 DO NOT use any phone in your building.
- 5 Clear the room, building, or area of all occupants.
- 6 Immediately call your gas supplier from outside the building. Follow the gas supplier's instructions.
- 7 If you cannot reach your gas supplier, call the Fire Department.

Read instructions completely and carefully.



Installation of this range must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA.54, latest edition. In Canada, installation must conform with the current Natural Gas Installation Code, CAN/CGA-B149.1, or the current Propane Installation Code, CAN/CGA-B149.2, and with local codes where applicable. This range has been design-certified by UL according to ANSI Z21.1, latest edition, and Canadian Gas Association according to CAN/CGA-1.1, latest edition.

Installation and service must be performed by a qualified installer, service agency, or gas supplier.

Have the installer show you the location of the gas shut-off valve and how to shut it off.

Always use NEW flexible connectors when installing a gas appliance. Never reuse old flexible connectors. The use of old flexible connectors can cause gas leaks and personal injury.



Never use this appliance as a space heater to heat or warm the room. Doing so may result in carbon monoxide poisoning and overheating of the oven.

Never block the oven vents (air openings). They provide the air inlet and exhaust that are necessary for the oven to operate properly with correct combustion.



This product must be installed by a qualified plumber or gas fitter by the State of Massachusetts.

When using ball-type gas shut-off valves, they shall be the T-handle type.

Multiple flexible gas lines must not be connected in series.

## ELECTRICAL WARNINGS



Comply with the following electrical instructions and requirements to avoid death, personal injury from electric shock, and/or property damage from fire:



- 1 Plug into a grounded 3-prong outlet.
- 2 DO NOT remove ground prong.
- 3 DO NOT use an adapter.
- 4 NEVER use an extension cord.



Use a dedicated 120-volt, 60-Hz, 20-amp, AC, fused electrical circuit for this appliance. A time-delay fuse or circuit breaker is recommended. DO NOT plug more than one appliance in this circuit.



The range is supplied with a 3-prong grounded plug. This cord MUST be plugged into a mating, grounded 3-prong outlet that meets all local codes and ordinances. If you are unsure your electrical outlet is properly grounded, have it checked by a licensed electrician.

If codes permit the use of a separate ground wire, it is recommended that a qualified electrician determine the proper path for this ground wire.

Electrical service to the range must conform to local codes. Barring local codes, it should meet the latest ANSI/NFPA No. 70 – Latest Revision (for the U.S.) or the Canadian Electrical Code CSA C22.1 – Latest Revisions.

It is the personal responsibility of the appliance owner to provide the correct electrical service for this appliance.



NEVER connect ground wire to plastic plumbing lines, gas lines, or hot water pipes.



DO NOT modify the plug provided with the appliance.

## GROUNDING INSTRUCTIONS



Grounding a range with a cord connection:

This appliance must be Earth grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electrical shock by providing a path for the electric current. This appliance is equipped with a cord having a grounding plug. The plug must be firmly plugged into an outlet that is properly installed and grounded in accordance with the local codes and ordinances.



Improper connection of the grounding plug can result in a risk of electric shock. Check with a qualified electrician if you have any doubt the appliance is properly grounded.

WARNING



NEVER modify the plug provided with the appliance. If it does not fit the existing outlet, have a qualified electrician install a proper outlet.

## INSTALLATION WARNINGS



Any adjustment and service should be performed only by qualified gas range installers or service technicians.

Be sure your range is correctly installed and adjusted by a qualified service technician or installer for the type of gas (natural or LP) that is to be used. To utilize LP fuel source, the 5 surface burner orifices, 2 oven orifices must be exchanged with the provided LP orifice set, and the GPR adapter must be reversed.



These adjustments must be made by a qualified service technician in accordance with the manufacturers instructions and all codes and requirements of the authority having jurisdiction. Failure to follow these instructions could result in serious injury or property damage. The qualified agency performing this work assumes responsibility for the conversion.



Do not attempt to repair or replace any part of your range unless it is specifically recommended in this manual. All other service should be referred to a qualified technician.



This appliance must be properly grounded. Plug your range into a 120-volt grounded outlet that is only used for this appliance. Do not remove the grounding (third) prong from the plug. Firmly plug the power cord into the wall outlet. If you are not sure your electrical outlet is grounded, it is your personal responsibility and obligation to have a properly grounded, three-prong outlet installed in accordance with local and national codes. Do not use a damaged power plug or loose wall outlet. Do not use an extension cord with this appliance. In addition, do not use an adapter or otherwise defeat the grounding plug. If you do not have a proper outlet or have any doubt, consult a licensed electrician.



Locate the range out of kitchen traffic paths and drafty locations to prevent poor air circulation.



This appliance should be positioned in such a way that the power plug is accessible.

Do not install in an area exposed to dripping water or outside weather conditions.

Remove all packaging materials from the range before operating it. These materials can ignite, causing smoke and/or fire damage.

Install this appliance on a level and hard floor that can support its weight. Synthetic flooring, like linoleum, must withstand 180° F (82° C) temperatures without shrinking, warping, or discoloring. Never install the range directly over interior kitchen carpeting unless a sheet of 0.25-inch plywood or similar insulator is placed between the range and carpeting.



Never block the vents (air openings) of the range. They provide the air inlet and exhaust necessary for the range to operate properly with correct combustion.

Air openings are located behind the range, under the oven control panel, at the top and bottom of the oven door, and under the storage drawer.

Large scratches or impacts on door glass can cause the glass to break or shatter.



Make sure the wall coverings around the range can withstand heat, up to 200° F (93° C), generated by the range.

Avoid placing cabinets above the range. This reduces the hazard caused by reaching over the open flames of operating burners.

If cabinets are placed above the range, allow a minimum clearance of 40 in (102 cm) between the cooking surface and the bottom of unprotected cabinets.

Install a ventilation hood or an externally vented Over The Range Microwave Oven over the range cooktop that is as wide as the range, centered over the range, and projects forward beyond the front of the cabinets.

Remove all tape and packaging. Make sure the burners are properly seated and level.

Remove any accessories from the oven and/or lower drawer.

Check to make sure no range parts have come loose during shipping.

Seal any openings in the wall behind the appliance and in the floor under the appliance after the gas supply line is installed.

## SURFACE BURNER WARNINGS



Follow basic precautions when installing and using this range to reduce the risk of fire, electrical shock, injury, or death to persons, including:

**WARNING**



Use proper pan sizes. Avoid pans that are unstable or warped. Select cookware having flat bottoms large enough to cover the burner grates. To avoid spillovers, make sure cookware is large enough to contain your food. This will save cleaning time and prevent hazardous accumulations of food, since heavy spattering or spillovers left on the range can ignite. Use pans with handles that can be easily grasped and remain cool.

Always use the LITE position when igniting the top burners. Make sure the burners have ignited.



Never leave the surface burners unattended at HIGH flame settings. Boil overs cause smoking and greasy spillovers that might catch on fire.



Adjust the top burner flame size so it does not extend beyond the edge of the cookware. Excessive flames past cookware edges can be hazardous.

Only use dry pot holders. Pot holders with moisture in them may result in burns from steam when they come in contact with hot surfaces.

Keep pot holders away from open flames when lifting cookware. Never use a towel or bulky cloth in place of a pot holder.

Keep all plastic away from the surface burners or any open flame.

When using glass cookware, make sure it is designed for top-of-range cooking.

Always make sure cookware handles are turned to the side or rear of the cooktop, but not over other surface burners. This will minimize the chance of burns, spillovers, and ignition of flammable materials due to bumping the pan.

Do not wear loose or hanging garments when using the range. They could ignite and burn you if they touch a surface burner.

Always heat frying oils slowly, and watch as it heats. If foods are being fried at high heat, carefully watch during the cooking process. If a combination of fats or oils are to be used during frying, they need to be stirred together before heating.



Use a deep fryer thermometer whenever possible. This prevents overheating fryer beyond the smoking point.

Use as little fat as possible for shallow or deep-fat frying. Using too much fat can cause spillovers when food is added.

Items should always be removed from the cooktop when they are done cooking. Never leave plastic items on the cooktop. This prevents the hot air from the vent from igniting flammable items, melting, or building up pressure in closed containers.

This cooktop is not designed to sear foods or cooking with a wok or wok ring attachment. If foods are flamed, they should only be flamed under a ventilation hood that is on.

Always make sure foods being fried are thawed and dried. Moisture of any kind can cause hot fat to bubble up and over the sides of the pan.



Never move a pan or deep-fat fryer full of hot fat. It should always be cooled before moving.

If range is located near a window, NEVER hang long curtains or paper blinds on that window. They could blow over the surface burners and ignite, causing a fire hazard.

Always make sure the controls are OFF and the grates are cool before they are removed to prevent any possibility of burning.



Grease is flammable and should be handled very carefully. Do not use water on grease fires.

If you smell gas, turn off the gas to the range and call a qualified service technician. NEVER use an open flame to locate a leak.

Always turn off the surface burner controls before removing cookware. All surface burner controls should be turned OFF when not cooking.

Do not use a wok on the cooking surface if the wok has a round metal ring that is placed over the burner grate to support the wok. This ring acts as a heat trap, which may damage the burner grate and burner head. Also, it causes the burner to work improperly. This may cause a carbon monoxide level above that allowed by current standards, resulting in a health hazard.

## OVEN WARNINGS



NEVER cover any holes or passages in the bottom oven cover. NEVER cover an entire oven rack with aluminum foil or like material. Covering bottom cover and/or racks blocks airflow through the oven and could cause carbon monoxide poisoning.



Do not use aluminum foil or foil liners anywhere in the oven. Misuse traps heat and could cause a fire hazard or damage the range.

DO NOT clean the door gasket. The door gasket is essential for a good seal. Care should be taken not to damage or move the gasket.



Always follow the manufacturers directions when using cooking or roasting bags in the oven.

Stand away from the range when opening the door of a hot oven. The escaping hot air and steam can cause burns to hands, face and eyes.



Do not use the oven for storage. Stored items can be damaged or ignite.

Keep the oven free from grease buildup.

Reposition oven racks when the oven is cool to prevent burning or personal injury.



Do not heat unopened containers. Pressure in the container could build up, resulting in explosion and/or personal injury.

Only use glass cookware that is recommended for use in gas ovens.

Always remove broiler pan from range when the broiling is finished. Clean after each use. This prevents fire flare-ups from stored grease build up.



Do not broil meat too close to the burner flame. Trim excess fat from meat before cooking. Meat fat can ignite, causing a fire hazard. Make sure broiler pan is placed correctly to reduce the possibility of grease fires.



If a grease fire should occur in the oven, turn off the oven by pressing the Clear/Off pad. Keep the oven door closed to put out the fire.

Always bake and/or broil with the oven door closed. Broiling with the door partially or fully open can damage the surface burner control knobs.

Keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.



Do not use the oven to dry newspapers or mail. Such items will catch fire if overheated.

For safety and proper cooking performance, always bake and broil with the oven door closed.

Your range is designed to use below 2,000 ft. Burner heat outputs and flame performance will be lower at altitudes above 2,000 ft. The oven burner may also fail to ignite at high altitudes due to lower oxygen levels.

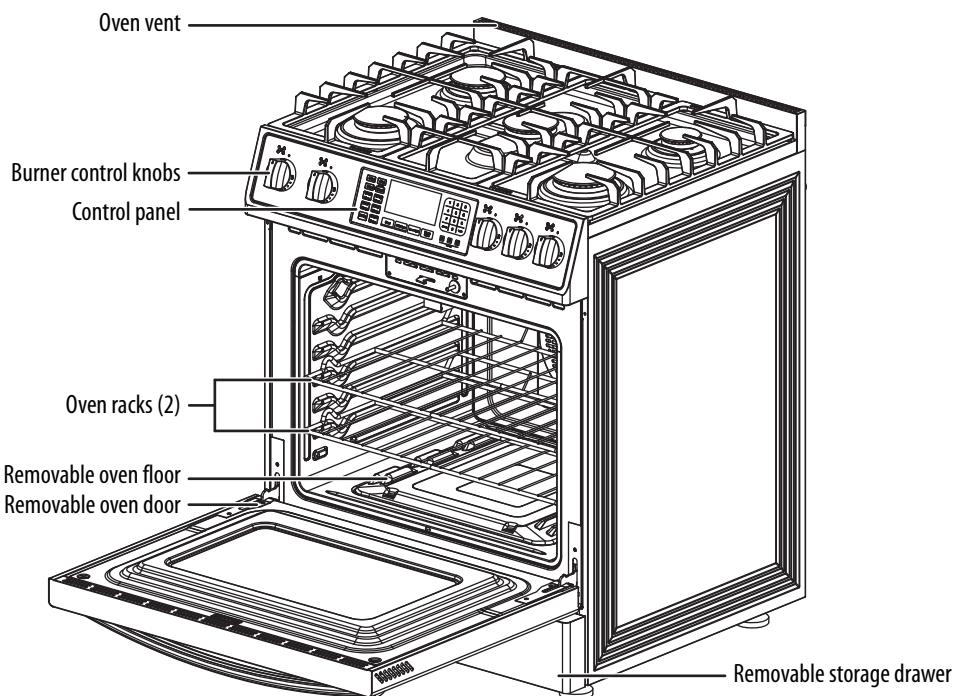
## SAVE THESE INSTRUCTIONS

## Features

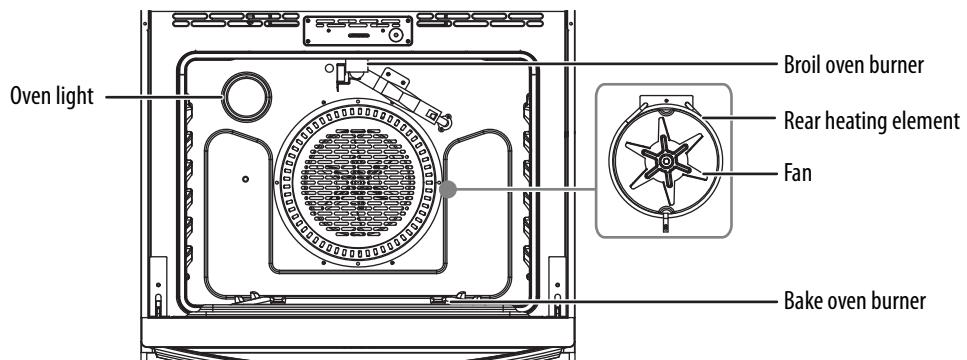
### Package contents

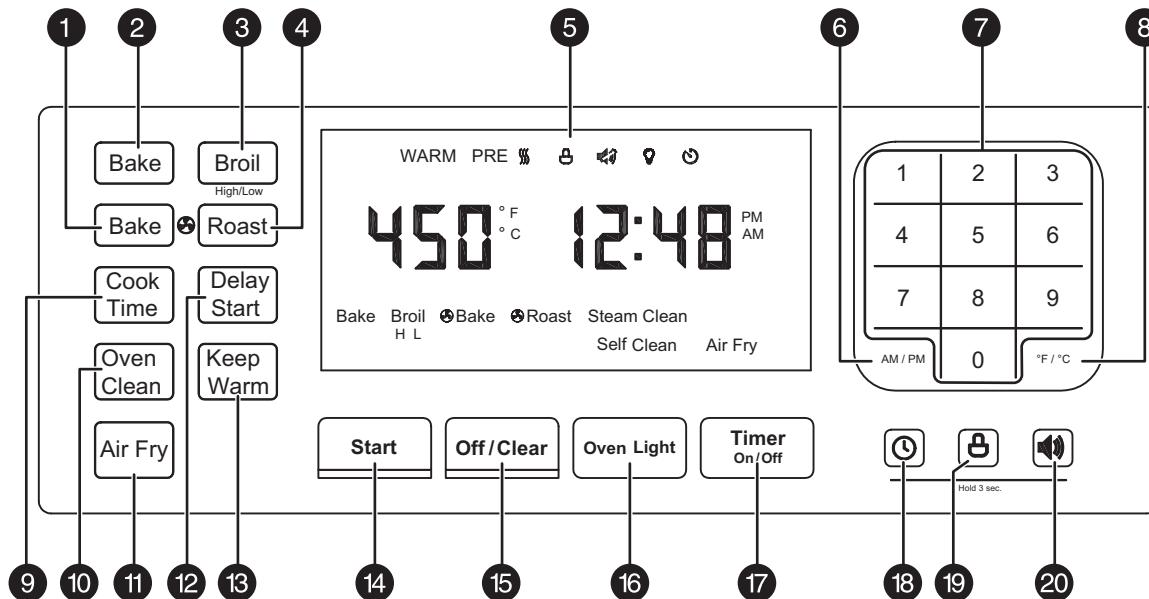
- 4.8 Cu. Ft. Gas Convection Range with Self Clean and Air Fry
- Anti-tip device (1) with ST5\*40mm screws (4)
- Oven handle (1) with Hex wrench (1)
- Oven racks (2)
- Air fryer basket (1)
- Back plastic pads (2) with ST5\*20mm screws (2)
- Burner control knobs (5)
- *User Guide*

### Main components



### Oven components



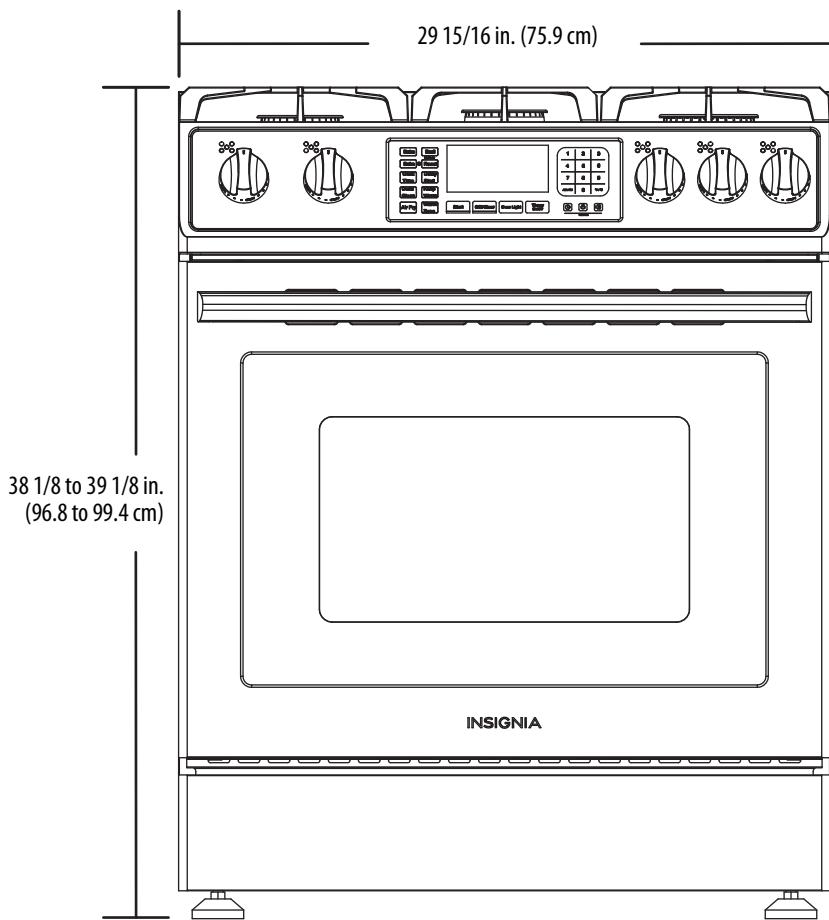
**Oven control panel**

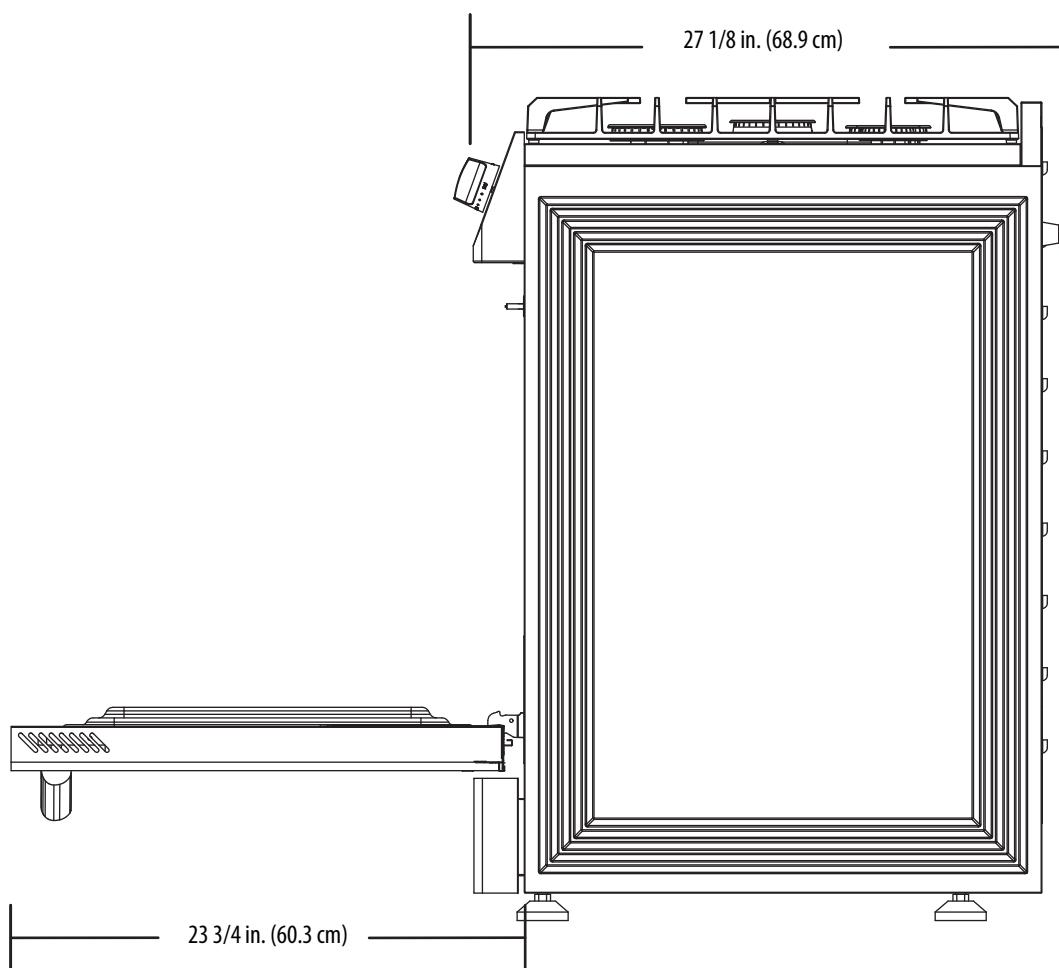
#	TOUCHPAD	DESCRIPTION...
1	Bake (Convection Bake)	Turns on the fan while baking. Provides more consistent heat by circulating the air inside the oven while baking. Cooks large amounts of baked goods on multiple shelves at the same time.
2	Bake	Turns on the Bake function. Evenly cooks food using the bottom oven burner.
3	Broil	Turns on the Broil function. Cooks foods using the top oven burner only. Press once for broiling in High heat mode. Press twice for broiling in Low heat mode.
4	(Roast (Convection Roast)	Turns on the Convection Roast function. Provides more consistent heat by circulating the air inside the oven while roasting. Cooks large cuts of meat.
5	Display	Shows the time of day, oven temperature, whether the oven is in the bake, broil, or steam cleaning mode, and the time set for the timer or automatic oven operations. When the oven is heating shows the (heating) icon.
6	AM/PM	Press and hold for three seconds to switch between the 12-hour and 24-hour time format. When setting the current time, press to select the AM or PM time format.
7	Numbers	Sets times, temperatures, and preset oven functions.
8	°F / °C	Press and hold for one second to switch between Fahrenheit and Celsius.
9	Cook Time	Turns on the Cook Time function. Use the numbers to set the amount of time you want your food to cook. The oven automatically shuts off when the time has elapsed.
10	Oven Clean	Turns on the clean oven function. Steam Clean and Self Clean are options. Press one time to select steam clean, two times to select self clean of three hours, three times to select self clean for five hours, or press four times for self clean for two hours.
11	Air Fry	Turns on the Air Fry function.
12	Delay Start	Set the oven to start and stop automatically. Use with the Bake, Convection Bake, Convection Roast, or Cook Time functions.
13	Keep Warm	Keeps cooked foods warm after cooking. Your range lowers the oven temperature and maintains it at 150° F (65° C) up to three hours.

#	TOUCHPAD	DESCRIPTION...
14	Start	Starts the oven cooking, cleaning, or timing functions.
15	Off / Clear	Cancels all oven operations except the clock and timer.
16	Oven Light	Turns the oven light on or off.
17	Timer On / Off	Turns on the kitchen timer for the amount of time you want.
18	⌚ (clock set)	Press and hold for three seconds to turn on the clock set feature, then set the current time.
19	🔒 (lock)	Press and hold for three seconds to turn off the control panel touch pads to prevent the oven from accidentally being turned on. Touch pads stay locked until you turn this function off.
20	🔊 (sound)	Press and hold for three seconds to turn sound on or off.

## Range dimensions

### Front



**Side**

# Installing

## 4.8 Cu. Ft. Gas Convection Range with Self Clean and Air Fry

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# Selecting a location

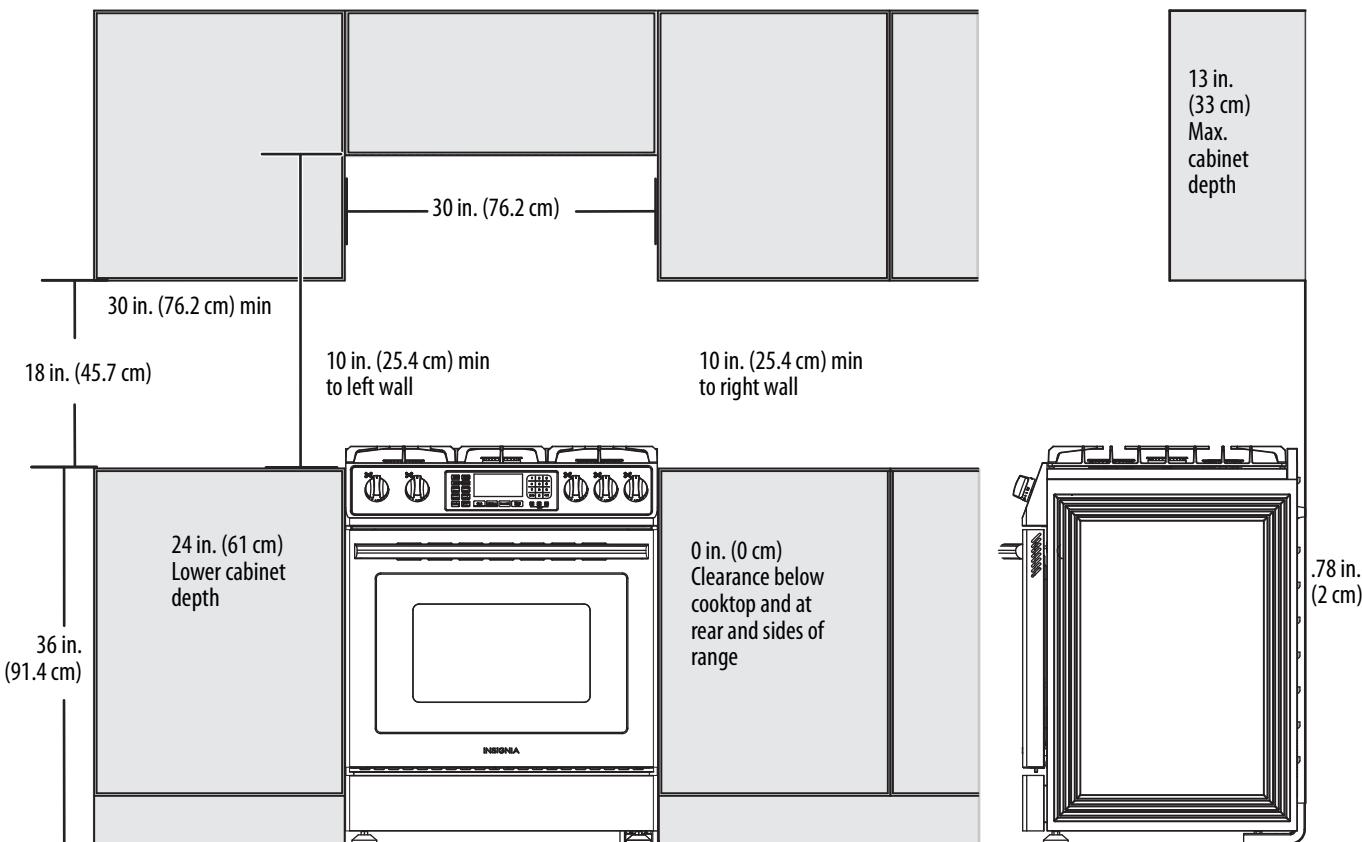
## Clearances and dimensions

BEFORE YOU BEGIN to install your range, refer to the following information, dimensions, and clearances. Don't install your range where it may be subject to strong drafts. Provide adequate clearances between your range and adjacent combustible surfaces. These dimensions must be met for safe use of your range. The location of the electrical outlet and gas piping may be adjusted to meet the following dimensions and clearances.

For installation in Canada, a free-standing range can't be installed closer than 4.7 in. (12 cm) from any adjacent surface.

**CAUTION:**

Your range has been designed to comply with the maximum allowable wood cabinet temperature of 194° F (90 °C). Make sure that the wall covering, counter tops, and cabinets around your range can withstand the heat (up to 194° F (90° C)) generated by your range. If not, discoloration, de-lamination, or melting may occur.



## Minimum dimensions

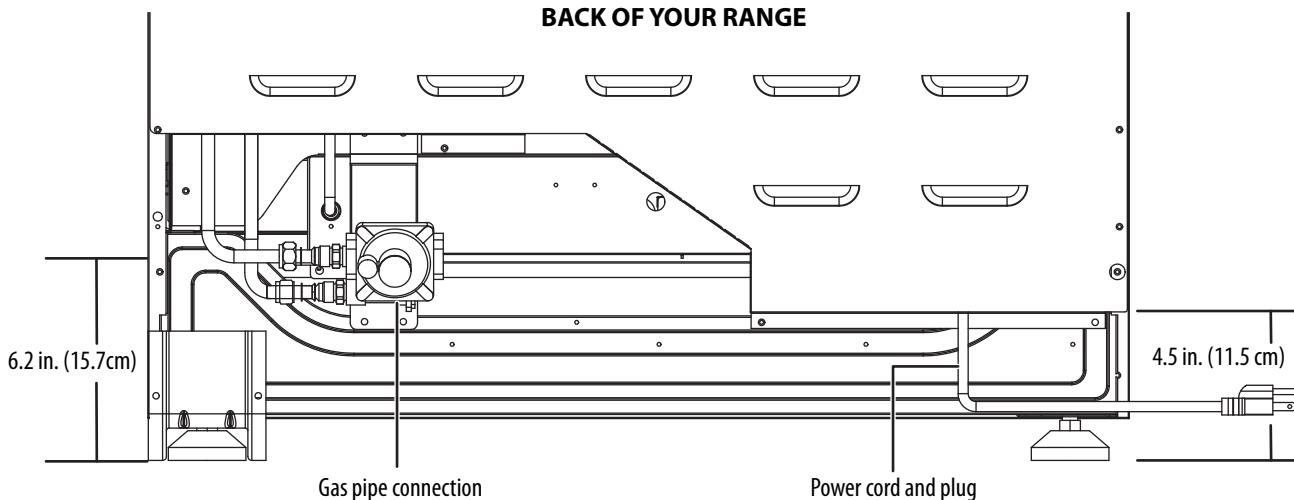
**WARNING:**

If you have overhead cabinets, use a range hood that projects horizontally a minimum of 5 in. (12.7 cm) beyond the front of the cabinets. This helps dissipate any heat buildup in the overhead cabinets to prevent death, personal injury, or a fire hazard. Install above the cooktop with a clearance of not less than .25 in. (.6 cm) between the hood and the underside of the combustible material or metal cabinet. The hood must be at least as wide as your range and centered over your range. Clearance between the cooking surface and the ventilation hood surface must never be less than 24 in. (61 cm).

Exception: Installation of a listed microwave oven or cooking appliance over the cooktop shall conform to the installation instructions packed with that appliance.

- 30 in. (76.2 cm) minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet. Or If there isn't a 30 in. (76.2 cm) minimum clearance, 24 in. (61 cm) minimum when the bottom of the wood or metal cabinet is protected by not less than .25 in. (.64 cm) flame-retardant mill board covered with not less than a No. 28 MSG sheet steel, .015 in. (.038 cm) stainless steel, .024 in. (.061 cm) aluminum, or .02 in. (.051 cm) copper.
- 18 in. (45.7 cm) minimum between the countertop and the adjacent cabinet bottom.

## Locations for gas piping and electrical outlets



## Gas requirements

Your range is convertible for use with natural or propane (LP) gas. The factory default is natural gas. If you decide to use your range on LP gas, conversion must be made by a qualified LP installer before attempting to operate your range.

Your range is designed to operate at a pressure of 5 in. (13 cm) of water column on natural gas or 10 in. (25 cm) of water column on LP gas (propane or butane).

Don't attempt to convert your range from the natural or LP gas without consulting the gas supplier.

For correct operation, the pressure of natural gas supplied to the regulator must be between 5 and 13 in. (13 and 33 cm) of water column. For LP gas, the pressure supplied must be between 10 and 13 in. (25 and 33 cm) of water column.

When checking the operation of the regulator, the inlet pressure must be at least 1 in. (2.5 cm) greater than the operating (manifold) pressure as given.

The pressure regulator, located at the inlet of the range manifold, must remain in the supply line for either natural or LP gas. A flexible-metal appliance connector used to connect your range to the gas supply line should have an I.D. of 0.5 in. (1.3 cm) and be 5 ft. (152 cm) in length for ease of installation.

In Canada, flexible connectors must be single-wall metal connectors no longer than 6 ft. (183 cm) in length.

**WARNING:** Don't kink or damage the flexible metal tubing when moving your range.

## Commonwealth of Massachusetts requirements

**Special instructions for appliances installed in the State of Massachusetts:** Your range must be installed by a qualified plumber or gas fitter.

## Electrical requirements

**WARNING:** To reduce the risk of fire, electric shock, or personal injury:

- Don't use an extension cord or adapter plug with your range.
- Your range must be correctly grounded.
- Check with a qualified electrician if you aren't sure that your range is correctly grounded.
- Don't modify the power cord plug if it doesn't fit the outlet. Instead, have a correct outlet installed by a qualified electrician.
- All wiring and grounding must be done in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA No. 70 – Latest Revision (for the U.S.) or the Canadian Electrical Code CSA C22.1, or latest revisions and local codes and ordinances.
- The wiring diagram is located on the back of your range.
- Your range is equipped with an electronic ignition system that doesn't operate if it is plugged into an outlet that isn't correctly polarized.

- Your range is equipped with a power cord that has an equipment-grounding conductor and a grounding plug. The plug must be firmly plugged into a three-prong outlet that is correctly installed and grounded in accordance with all local codes and ordinances. In the event of a malfunction or breakdown, grounding decreases the risk of electrical shock by providing a path for the electric current.
- A 120V, 60Hz, AC, approved electrical service with a 20 amp circuit breaker or time-delay fuse is required for all U.S. and Canadian models.
- Don't reuse a power supply cord from an old range or other appliance.
- The power cord electric supply wiring must be retained at the range cabinet with a suitable UL-listed strain relief.
- We also recommend a time-delay fuse or circuit breaker.

- Ground Fault Circuit Interrupters (GFCIs) aren't required or recommended for the gas range receptacles.
- NEVER connect the ground wire to plastic plumbing lines, gas lines, or water pipes.

## Installing your gas range

**WARNING: We recommend that a professional installer install your range.**

If your range isn't installed correctly, incorrect electrical grounding or gas leaks can cause a fire or explosion which can lead to injury or death.

### Important notes to the installer

- 1 Read this manual before installing your range.
- 2 Observe all governing codes and ordinances.
- 3 Make sure that you leave these instructions with your range.
- 4 Before installing your range in an area covered with linoleum or any synthetic floor covering, make sure that the floor covering can withstand temperatures of at least 180° F (82° C) without shrinking, warping, or discoloring.
- 5 Don't install your range over carpeting unless you place an insulating pad or sheet of .25 in. (.6 cm) thick plywood between your range and carpeting.

### Before installing your range

- 1 Remove the exterior and interior packing.
- 2 Wipe the surfaces of your range with a damp cloth or sponge, then wipe them dry with a clean, dry cloth.

### Connecting to gas

**WARNING: If the gas isn't installed correctly to your range, a gas leak can cause a fire or explosion which can lead to death or injury.**

**We recommend that a professional installer connect the gas.**

**WARNINGS:**

Don't store or use gasoline or other flammable vapors and liquids in or near your range.

**IF YOU SMELL GAS:**

- DO NOT light a match, candle, or cigarette.
- DO NOT try to light any appliance.
- DO NOT touch any electrical switch.
- DO NOT use any phone in your building.
- Clear the room, building, or area of all occupants.
- Immediately call your gas supplier from outside the building. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

Never use an old connector when installing your range. If you use the hard-piping method, carefully align the pipe. You can't move your range after the gas is connected.

**Notes:**

- Because hard piping restricts movement of your range, we recommend that you use a CSA International-certified flexible metal appliance connector unless local codes require a hard-piped connection.
- To prevent gas leaks, apply pipe-joint compound or wrap pipe-thread tape with Teflon on all male (external) pipe threads.

- 1 Shut off the main gas supply valve before disconnecting an old range. Leave the valve off until the new hookup is complete. Don't forget to relight the pilots on other gas appliances when you turn the gas back on.
- 2 Install a manual gas line shut-off valve in the gas line in an easily accessed location outside of your range. Make sure that everyone operating your range knows where the valve is and how to shut off the gas supply to your range.
- 3 Install a male 0.5 in. (1.3 cm) flare union adapter to the 0.5 in. (1.3 cm) NPT internal thread at the regulator inlet. Use a backup wrench on the elbow regulator fitting to avoid damage. When installing your range from the front, remove the 90° elbow for easier installation.
- 4 Install a male 0.5 in. (1.3 cm) or 0.75 in. (1.9 cm) flare union adapter to the NPT internal thread of the manual shut-off valve, taking care to back up the shut-off valve to keep it from turning.

**CAUTIONS:**

Don't over-tighten the flare union adapter to the NPT internal thread at the regulator.

To prevent gas leaks, apply pipe-joint compound in the vicinity of the joints.

- 5 Connect a flexible metal appliance connector to the adapter on your range. Position your range to allow room for the connection at the shut-off valve.

- 6 When all connections have been made, make sure that all range controls are in the OFF positions, then turn on the main gas supply valve.
- 7 Use a liquid leak detector at all joints and connections to check for leaks.

**WARNING:** Don't use a flame to check for gas leaks. An explosion or fire may occur causing personal injury or death.

**Notes:**

- When using test pressures greater than 1/2 psig to pressure-test the gas supply system, disconnect your range and the individual shut-off valve from the gas supply piping.
- When using test pressures of 1/2 psig or less to test the gas supply system, isolate your range from the gas supply system by closing the individual shut-off valve.

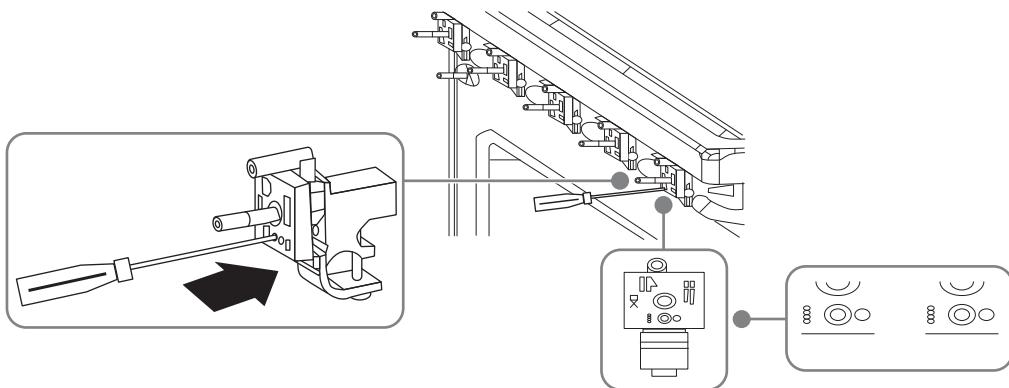
### Optional: Converting to LP gas

Your range came set up to use natural gas. You can convert your range to use LP gas, but the conversion should be done by a qualified LP gas installer.

Conversion instructions and LP orifices are supplied with an LP conversion kit (not included).

The conversion to LP requires all burner orifices to be changed (five surface burners and two oven burners). Save the replaced orifices in case you want to convert back to natural gas.

For LP conversion, nozzles and gas valves must be adjusted so that the bypasses are in the vertical position.



#### Burner orifice sizes and output ratings

LP GAS (PROPANE) 10 IN WCP		
BURNER LOCATION	BTU RATE	ORIFICE SIZE (MM)
RF	16,000	1.19
LF	10,000	.94
RR	4,000	.62
LR	7,000	.78
CTR	10,000	.94
Bake	18,500	1.28
Broil	12,000	1.02

NATURAL GAS 5 IN WCP		
BURNER LOCATION	BTU RATE	ORIFICE SIZE (MM)
RF	18,000	1.95
LF	11,500	1.5
RR	5,000	.95
LR	9,000	1.31
CTR	11,000	1.5
Bake	18,500	1.96
Broil	12,000	1.56

## Installing the anti-tip device

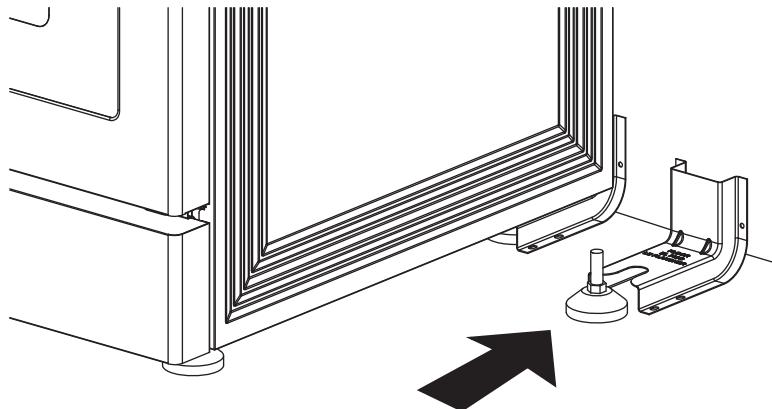
**WARNING:** To reduce the risk of tipping, you must secure your range using the provided anti-tip device.

- All ranges can tip, resulting in personal injury.
- A child or adult can tip your range and be killed.
- Install the anti-tip device to your range and structure by following the installation instructions.
- Make sure that your range is correctly connected to the anti-tip device.
- If you pull your range away from the wall for cleaning, service, or any other reason, make sure that the anti-tip device is correctly reconnected when you push your range back against the wall. In the event of abnormal usage (such as a person standing, sitting, or leaning on an open door), failure to take this precaution can result in tipping of your range. Personal injury might result from spilled hot liquids or from your range itself.

Failure to follow these instructions can result in death or serious burns to children or adults.

An anti-tip bracket with screws and installation instructions came with your range. If the bracket isn't installed correctly, your range could be tipped by you or a child standing, sitting, or leaning on an open oven door.

- 1 Release and extend the leveling leg to a minimum clearance of 21/32 in. (1.7 cm) between the range bottom and the floor.



- 2 Follow the instructions that came with the anti-tip device.

- 3 Remove the storage drawer and look underneath your range to make sure that the leveling leg is under the bracket.

## Placing your range and connecting to power

### **WARNINGS: Avoid fire hazard or electrical shock.**

- Don't use an adapter plug, an extension cord, or remove the grounding prong from the power cord. Failure to follow this warning can cause serious injury, fire, or death.
- Your range is equipped with a 3-prong grounding plug for your protection against shock hazard and should be plugged directly into a correctly grounded receptacle. DO NOT cut or remove the grounding prong from this plug.
- The power cord must be plugged into a mating 3-prong ground-type outlet, grounded to conform with the National Electrical Code, ANSI/NFPA 70 latest edition, or Canadian Electrical Code (CSA) and all local codes and ordinances.
- For personal safety, your range must be correctly grounded. For maximum safety, the power cord must be plugged into an electrical outlet that is correctly polarized and grounded.
- If a 2-prong wall receptacle is the only available outlet, have it replaced with a correctly grounded 3-prong wall receptacle installed by a qualified electrician.
- Don't ground to a gas pipe.

- 1 Plug in the power cord. Make sure that the outlet meets local or national electrical codes.

- 2 Slide your range into place.

- 3 Make sure that the gas supply line didn't get damaged and it stayed connected during positioning.

- 4 Make sure that the back leg of your range slid into the anti-tip bracket. Carefully tip your range forward to make sure that the anti-tip bracket works to prevent tip-overs.

## Leveling your range

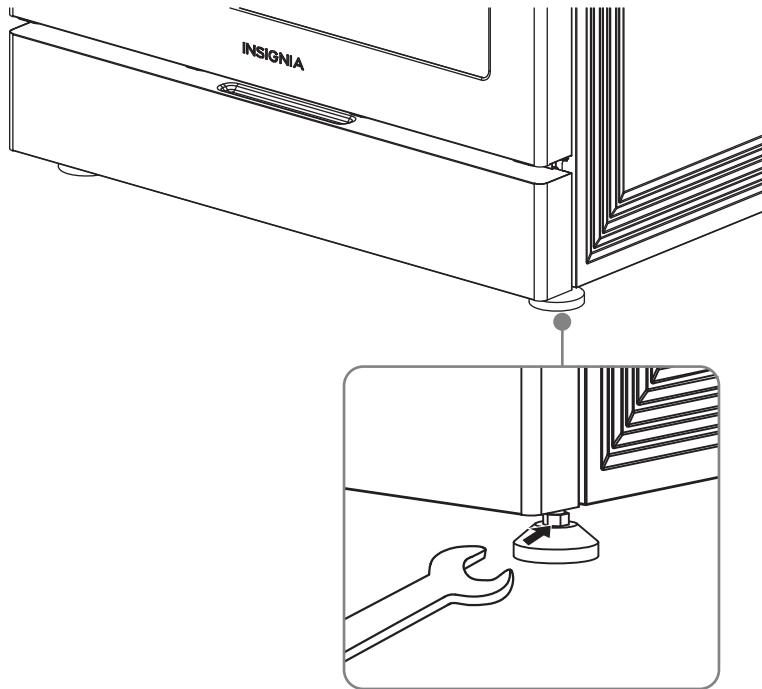
Your range should be level. If your range isn't level, the door may not close or seal correctly which can cause uneven heating and gas wastage problems.

### Notes:

- To make it easier to adjust the feet, have someone push against the top of your range to tilt it slightly.
- Adjusting the two front legs is usually sufficient, but all four legs adjust if necessary.

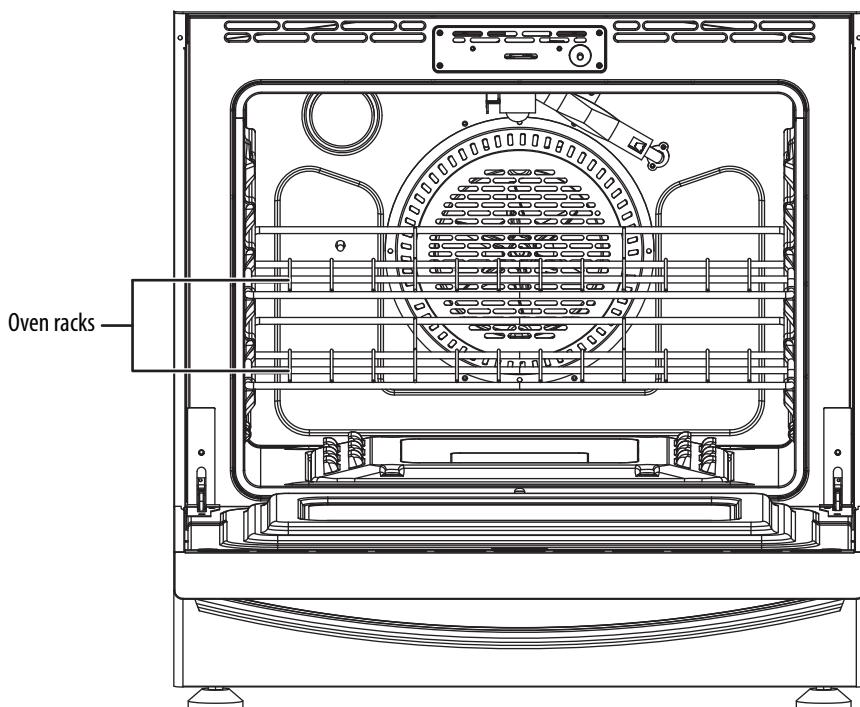
- 1 Make sure that your range is positioned where you want it.
- 2 Using a wrench, level your range by turning the front leveling legs if necessary. Counterclockwise shortens the leg and lowers your range. Clockwise lengthens the leg and raises your range.

Adjust the leveling legs only as far as necessary to level your range. Extending the leveling legs more than necessary or removing legs can cause your range to be unstable.



- 3 If your range is next to or between cabinets, make sure that the cooktop (without the surface burner grates) is level with the counter tops.

4 Position an oven rack in the center rack position. Check the level of your range with a carpenter level using the two positions.

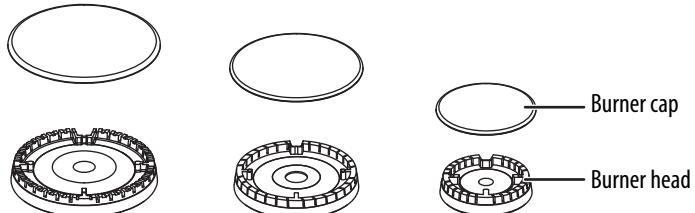


5 After your range is level, make sure that the rear leg is under the anti-tip device. See [Installing the anti-tip device](#) on page [21](#).

## Assembling the top burners

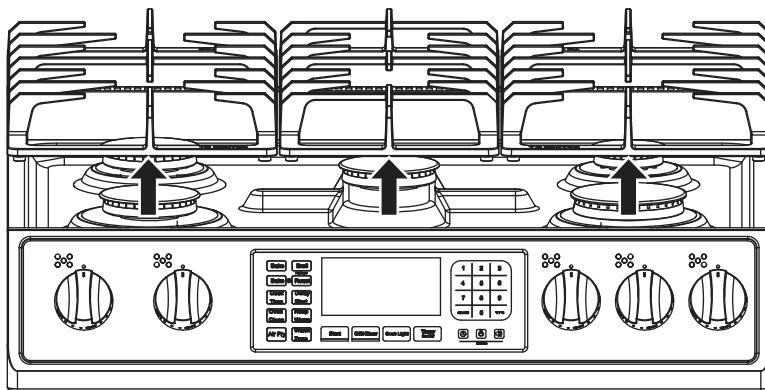
**CAUTION:** Don't operate the surface burners without all burner parts in place.

1 Position surface burner heads on top of the surface burner manifolds. The electrodes fit into the slots in the bottom of the heads. Make sure that the surface burner heads are flat and parallel with the cooktop.



2 Place the matching size cap on top of each surface burner head.

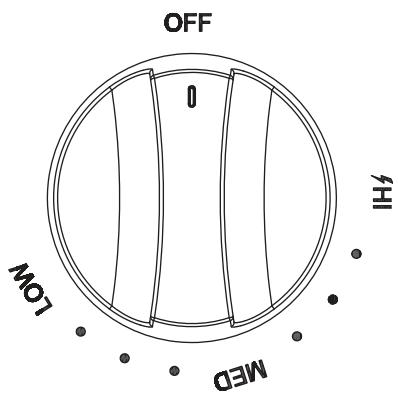
3 Place the grates on the cooktop.



## Installing the burner knobs

Your range may have a "KD Knob + handle design" that you need to install.

- 1 Check all five knobs.

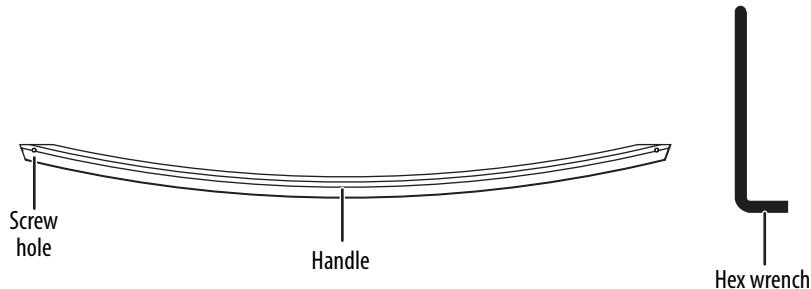


- 2 Push each knob in all the way to fully attach the shaft and make sure that each knob is easy to rotate.

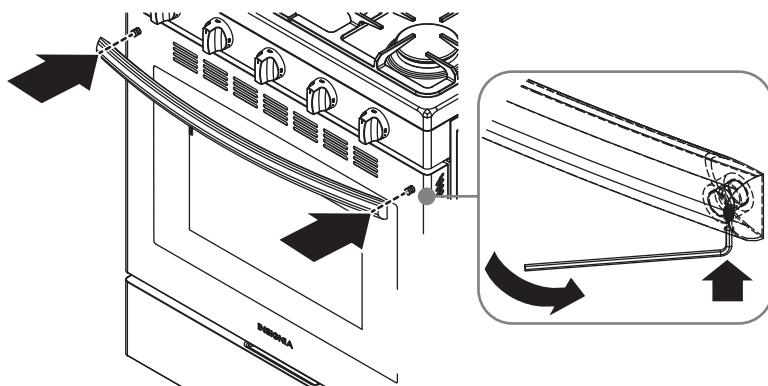
## Installing the oven door handle

Your range may have a "KD handle" that you need to install.

- 1 Check your installation kits for the handle and hex wrench.



- 2 Make sure that the side with the screw holes faces towards the oven door.
- 3 Place the door handle against the oven door and fit it on the connection part.

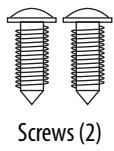


- 4 Use the Allen wrench to tighten both sides of the door handle.

## Installing the plastic pads

To prevent your range from getting too close to the wall behind your range, install the included plastic pads.

- 1 Locate the plastic pad kit. It includes:



Screws (2)



Plastic pads (2)

- 2 Align the holes in the plastic pads with the holes on the top, back of your range, then secure the pads to your range with the provided screws.

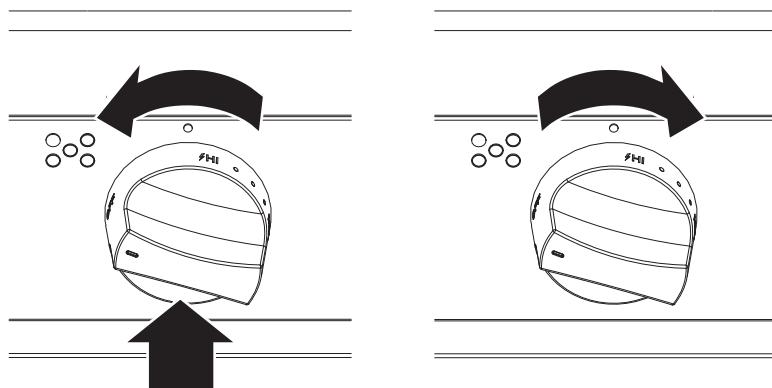
## Checking the ignition of the burners

Check the operation of all cooktop and oven burners after your range has been installed and assembled, gas supply lines have been carefully checked for leaks, and electrical power cord has been plugged in.

All surface and oven burners have electronic ignition.

### Surface burners

- 1 Push in and turn the control knob for a surface burner to the LITE position. The "clicking" sound indicates the electronic ignition system is operating correctly. The burner lights in about four seconds, after the air has been purged from the supply line.



- 2 After the burner lights, turn the control knob to the setting you want. The "clicking" sound stops and the flame height changes from Max to Min while turning the control knob.
- 3 Repeat steps 1 and 2 to test each burner.

### Oven bake burner

- 1 Press **Bake**. The display blinks 350.
- 2 Press **Start**. The bake burner should start heating.
- 3 Open the oven door and make sure that the bottom oven (bake) burner has lit.
- 4 Press **Off/Clear** to turn the oven off.

### Oven broil burner

- 1 Press **Broil**, then press **Start**. The broil burner should start heating.
- 2 Open the oven door and make sure that the top oven (broil) burner has lit.
- 3 Press **Off/Clear** to turn the oven off.

# Using

## 4.8 Cu. Ft. Gas Convection Range with Self Clean and Air Fry

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# Before you begin using your range

**WARNING:** All electrical and gas equipment with moving parts can be dangerous. Make sure that you read and understand all safety information. See IMPORTANT SAFETY INSTRUCTIONS on page 5. Pay particular attention to SURFACE BURNER WARNINGS on page 10 and OVEN WARNINGS on page 11.

Before turning on the burners or oven:

- Remove all packaging materials.
- Wipe the surfaces of your range with a damp cloth or sponge, then dry with a clean, dry cloth.

**CAUTION:** Don't use harsh detergents, scouring powder, or any sharp objects to clean your range. These items can damage the surfaces of your range.

When you turn on a burner or the oven for the first time, smoke and odors may be emitted. This is normal. Make sure that the room is well ventilated.

**WARNINGS:**

- Don't touch any hot surface on your range. Use oven gloves or potholders.
- Don't let children near your range.

## ADDITIONAL SURFACE BURNER WARNINGS

Follow the surface burner warnings in SURFACE BURNER WARNINGS on page 10. In addition, follow these warnings:

- The burner head can be blocked by food or dust. Clean the head if it appears blocked. If you clean the head with water, assemble it only after it is completely dry. If the head is wet, it might prevent the burners from igniting.
- Don't pour water on the cooktop for cleaning. It can get inside your range and cause the parts inside to rust.
- Only ignite the cooktop burners with the burner caps in place. If the burner caps aren't in place, you can damage the controls or cause an unintended large or dangerous flame.
- Always use the LITE position when igniting the top burners. Make sure that the burners have ignited.
- If ignition fails, turn the knob to OFF and wait until the gas already emitted has dissipated. If you keep the knob in the LITE position without correct ignition, the emitted gas might cause an explosion.
- Heating of beverages can result in delayed eruptive boiling. To prevent delayed eruptive boiling, ALWAYS let heated beverages stand at least 20 seconds after you turn off the burner so that the temperature in the liquid can stabilize.
- After turning on a surface burner, make sure that the burner has ignited. Adjust the level of the flame by turning the burner knob.
- Adjust the top burner flame size so it doesn't extend beyond the edge of the cookware. Flames that extend past cookware edges can be hazardous.
- To decrease spattering when cooking foods with lots of liquid, such as meat sauce or stew, adjust the flame to low and stir frequently.
- When you set a burner to simmer, don't turn the burner knob quickly. Watch the flame to make sure it stays on.

**WARNING:**

Never Operate the Top Surface Cooking Section of this Appliance Unattended

- Failure to follow this warning could result in a fire, explosion, or burn hazard that could cause property damage, personal injury, or death.
- If a fire should occur, keep away from the appliance and immediately call your Fire Department.

**DO NOT ATTEMPT TO EXTINGUISH AN OIL/GREASE FIRE WITH WATER.**

## Tips for saving gas

- Use dark-colored or enamel-coated cookware in the oven because the heat transmission is better.
- Before cooking, preheat the oven if the recipe calls for preheating.
- Don't open the oven door frequently during cooking to maintain the oven temperature and save energy.
- Try to cook more than one dish in the oven at the same time whenever possible.
- If you plan to cook multiple dishes one dish at a time, cook them one after another. The oven will already be hot.
- Defrost frozen dishes before cooking them.
- Use pots and pans with covers for cooking.
- Select the burner that most closely matches the size of the bottom of the pot you are using. Always select the correct pot size for your dishes. Larger pots require more gas.

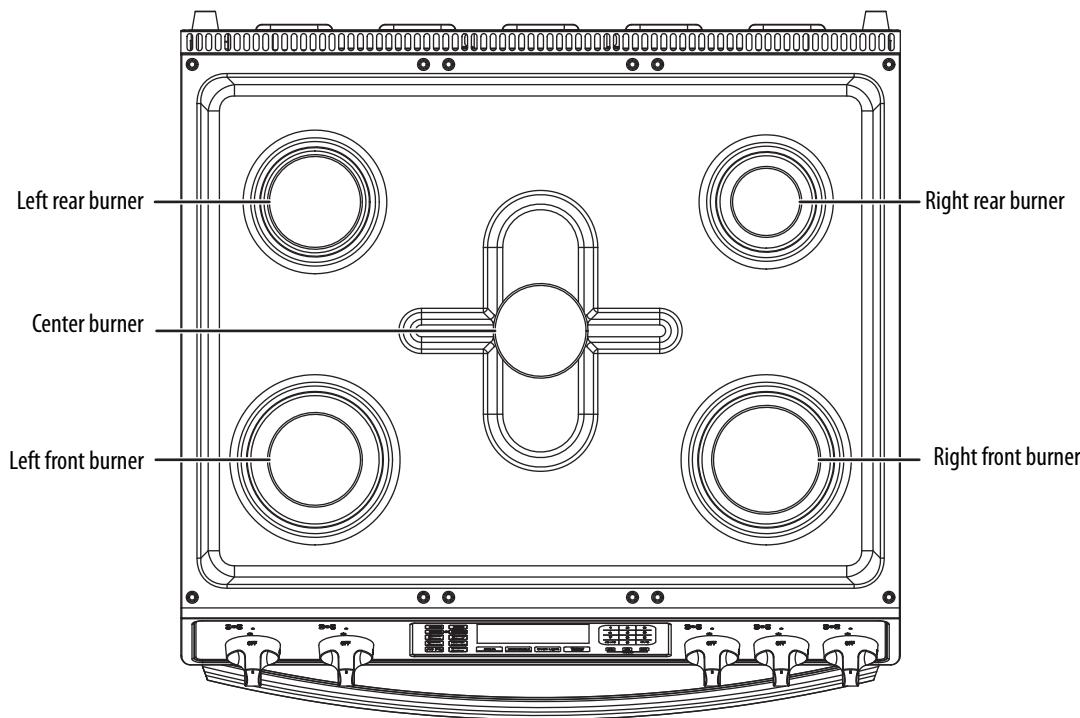
## Using the surface burners

### WARNINGS:

Before using the surface burners, make sure to follow all the safety warnings and precautions as listed. Failure to do so could result in product damage, personal injury, and/or death.

When you want to move a pot or pan onto another burner, lift it up and place it on the other burner. Don't slide a pot or pan from one burner to another.

Your range cooktop has five surface burners. The different burner sizes make sure that you have the correct heat source for each cooking job.



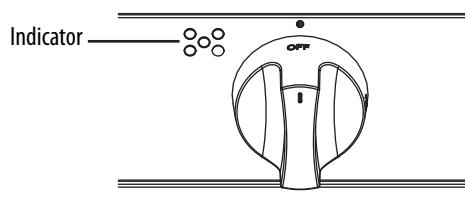
The **right rear** burner provides precise cooking performance for delicate foods and foods that require low heat for long cooking times. The right rear burner lets you use the **LO** setting for a low simmer setting.

The **right front** burner provides maximum output. This burner can also be used as a general-purpose burner, but it is designed to provide quick heat to large cookware. The right front burner spreads out the heat with a larger circle of flames.

The **left front, left rear, and center** burners are general-purpose burners that can be used for most cooking. The **HI** to **LO** settings on the control knobs provide a wide range of cooking temperatures to meet your cooking needs. This provides better heat distribution for larger cookware (12 in. [30.5 cm]) or larger pots and pans.

Each surface burner has a control knob with settings from **HI** to **LO**. They also have a **LITE** setting that is only used to light the flame. The electronic ignition system sparks when the control knob is in the **LITE** position.

The surface burner indicator next to the control knob shows which burner the knob controls.



## Using the correct cookware

Using the correct cookware can prevent many problems, such as uneven cooking or extended cooking times. Using the correct pans reduces cooking times and cooks food more evenly. Look for the following pan characteristics:

- Flat bottom and straight sides
- Tight-fitting lid
- Weight of handle doesn't tilt the pan
- Pan is well-balanced
- Pan size matches the amount of food being prepared
- Made of material that conducts heat well
- The pan diameter matches the surface burner flame diameter

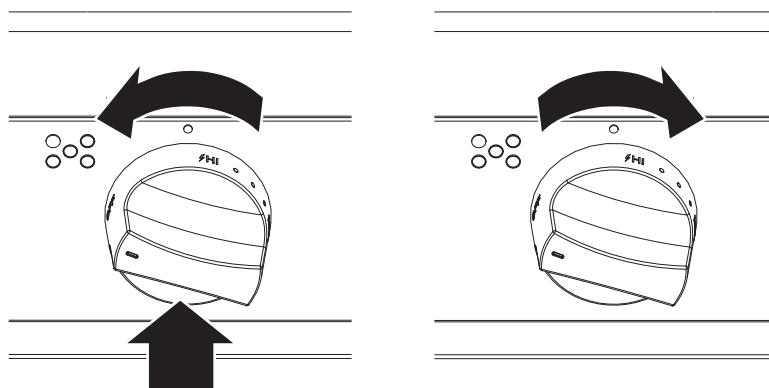
What your cookware is made of determines how evenly and quickly heat is transferred from the surface burner to the pan bottom.

MATERIAL	DESCRIPTION
Aluminum	Excellent heat conductor. Some types of food cause aluminum to darken. (Anodized aluminum cookware resists staining and pitting.)
Copper	Excellent heat conductor, but discolors easily.
Stainless Steel	Slow heat conductor with uneven cooking results. It is durable, easy to clean, and resists staining.
Cast-iron	A poor conductor, but retains heat well. Cooks evenly after the cooking temperature is reached.
Enamelware	Heating characteristics vary depending on base material.
Glass	Slow heat conductor. Only use glass cookware that is designated for burner use.

## Lighting a burner

Make sure that all surface burners are positioned and assembled correctly.

- 1 Push in and turn the control knob for a surface burner to the LITE position. The "clicking" sound indicates the electronic ignition system is operating correctly. The burner lights in about four seconds, after the air has been purged from the supply line.



- 2 After the burner lights, turn the control knob to the setting you want. The "clicking" sound stops and the flame height changes from Max to Min when you turn the control knob.

## Manually lighting a burner

If a power failure occurs, you can manually light the surface burners.

**WARNING:** Use extreme caution when manually lighting a surface burner.

- 1 Hold a long gas grill lighter to the surface burner you want to light.
- 2 Push in and turn the control knob for that burner to the LITE position.
- 3 After the burner has lit, set the control knob and the burner to the setting you want.

## Selecting the flame size

**WARNING:** Flames larger than the bottom of the cookware don't result in faster heating, but could result in a fire hazard or personal injury.

The flames on the burners should always stay under the cookware. The flames should never extend beyond the bottom surface or up the sides of the cookware.

Always watch the flame when adjusting the heat setting with the control knob. The flame should always match the size of the cookware being used.

**WARNING:** Before using the surface burners, make sure that you follow all the safety warnings and precautions as listed. Failure to do so could result in product damage, personal injury, or death.

## Using the oven

**WARNING:** Stand away from the oven when opening the oven door. Escaping hot air or steam can burn your hands, face, or eyes. Let hot air or steam escape before removing or replacing food.

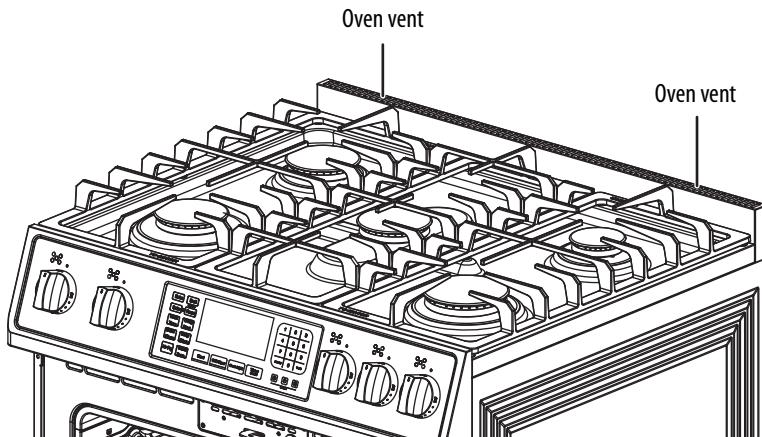
Your oven has eight oven functions:

FUNCTION	MINIMUM SETTING	MAXIMUM SETTINGS
Bake	150° F (66° C)	550° F (288° C)
Broil	Lo	Hi
Convection Bake ( Bake)	150° F (66° C)	550° F (288° C)
Convection Roast ( Roast)	150° F (66° C)	550° F (288° C)
Air Fry	350° F (176° C)	550° F (228° C)
Self Clean	2 hours	5 hours
Steam Clean	—	25 minutes
Keep Warm	—	3 hours

**Note:** Always bake or broil with the oven door closed. If you open the oven door while the oven is operating and leave it open, the oven burner stops in one minute. This isn't a product failure. The oven automatically starts again when you close the door.

## Using the oven vent

The oven vent is located at the rear of your range.

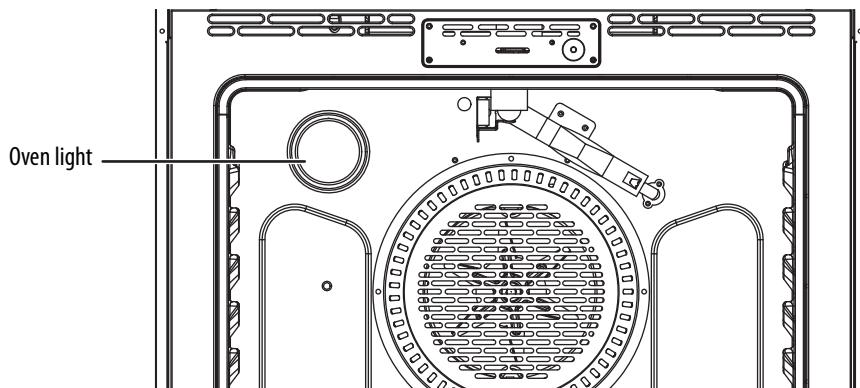


Don't block or place items on the oven vent. Correct air circulation prevents oven burner combustion problems and provides good cooking results.

Because the oven vent and surrounding area can become hot, use care when placing items near the vent. Hot steam could heat or melt items placed in front of the vent.

## Using the oven light

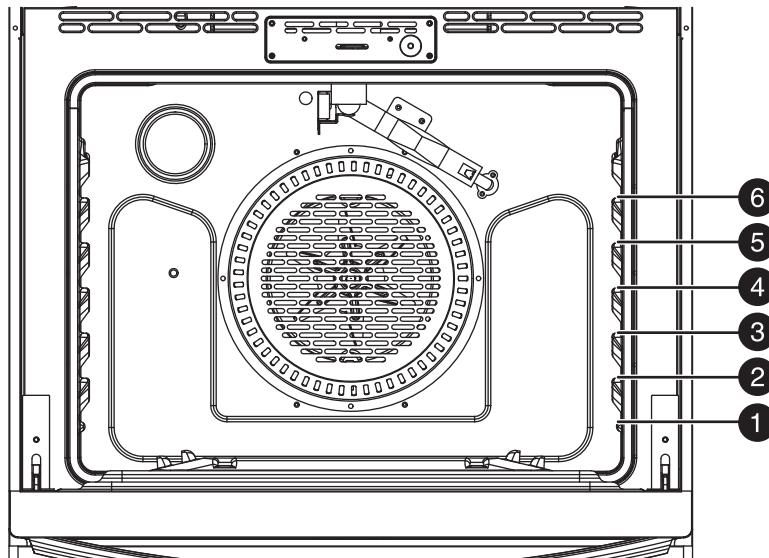
Press **Oven Light** to turn the light on or off. The oven light lets you check the cooking progress without opening the oven door.



## Positioning the oven racks

You can remove and reposition the oven racks in any of the six rack positions. Each oven rack has a built-in stop to prevent it from accidentally being pulled completely out. Correct positioning of the oven racks provides the best cooking results.

**Note:** The rack position above 6 isn't usable.

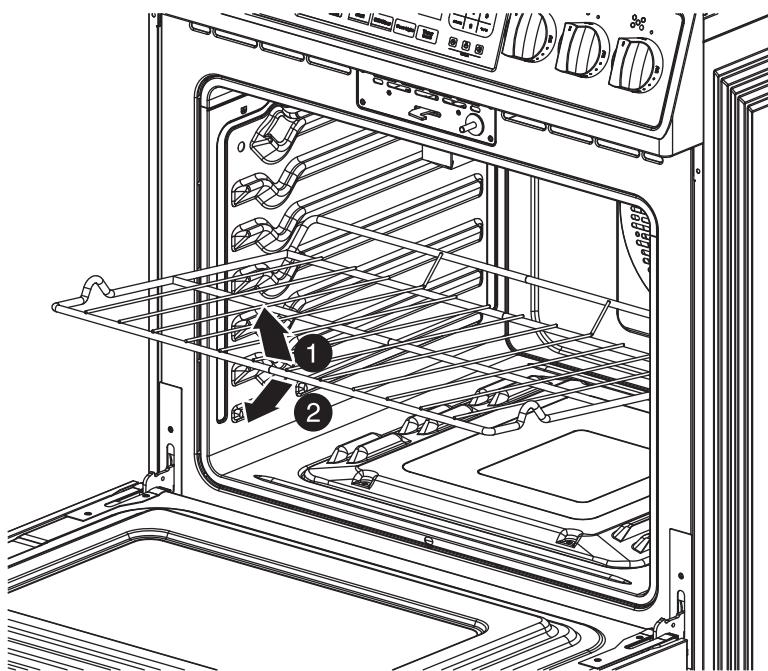


### CAUTIONS:

- Don't cover an oven rack with aluminum foil. This disturbs the heat circulation and results in poor baking.
- Don't place aluminum foil on the oven bottom because it could cause damage.
- Arrange the oven racks only when the oven is cool.
- When placing an oven rack in the top most rack position, make sure that the rack is stable and situated on the embossed stop.

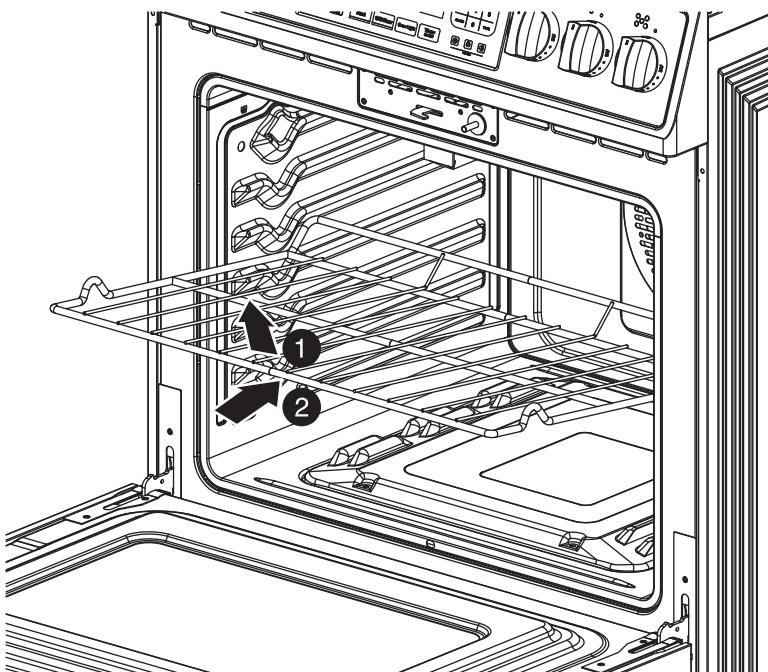
## Removing an oven rack

- 1 Pull the rack straight out until it stops.
- 2 Lift up the front of the oven rack and pull to remove it from the oven.



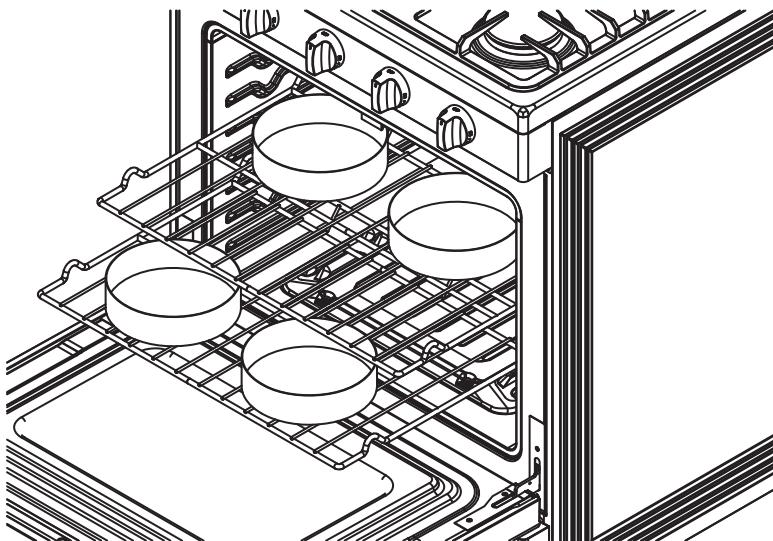
## Replacing an oven rack

- 1 Place the back edge of the rack on the rack support.
- 2 Lift up the front of the rack and slide it into the oven.



## Baking layer cakes

**Note:** Correct positioning of food items in the oven helps you achieve the best cooking results.



- Centering the baking pans in the oven produces better cooking results.
- When baking multiple items, make sure that you leave a 1 to 1.5 in. (2.5 to 3.8 cm) space around each item.
- When baking or convection baking on multiple racks, place the oven racks in positions 3 and 5.
- Place two pans in the rear of the top rack and the other two pans in the front of the bottom rack.

## Tips for baking

- Use appropriate non-stick coated metal sheets or aluminum containers or use heat-resistant silicone molds.
- Make the best use of the space on the rack. We recommend placing the baking pan in the middle of the rack.
- Select the correct shelf position before turning the oven on.
- Don't move oven shelves when hot. If you must move a rack while the oven is hot, don't let the potholder contact the hot oven burner.
- Keep the oven door closed as much as possible.

## Setting the clock

The clock must be set to the correct time of day for the automatic oven timing functions to work correctly. You can adjust the clock to show a 12-hour or 24-hour display. The 12-hour display is the default setting. The time of day can only be changed when your range isn't in use (standby).

- 1 Press  (clock set) for three seconds.
- 2 Enter the current time in hours and minutes using the numbers. The time you set blinks on the display.
- 3 Touch **AM/PM** to change between AM/PM.
- 4 Press Start or  (clock set) to save. The display shows the time of the day.

## Selecting the 12-hour or 24-hour display setting

- 1 Press and hold **AM / PM** for three seconds. The display shows the present mode.
- 2 Press **AM / PM** to change between the 12-hour and 24-hour display setting. The display shows 12Hr or 24Hr depending on your selection.
- 3 Press **Start** to save the clock display mode.

## Using the timer

The timer serves as an extra timer that beeps when the set time has elapsed. It doesn't start or stop cooking functions. You can use this function at the same time as any other oven function or even when neither the cooktop or oven are in use. You can set the timer for any amount of time from 1 minute to 23 hours and 59 minutes.

- 1 Press **Timer On/Off**. The display shows *Timer*, and 00:00 blinks in the display.
- 2 Use the numbers to enter the amount of time you want in minutes or hours and minutes. The display shows the set time.
- 3 Press **Start** to start the timer. The display shows the remaining time. When time has elapsed, the timer continues to beep until you press **Timer On/Off**. After you press **Timer On/Off**, the display shows the time of day.

## Baking

The Bake function lets you program the oven to bake to any temperature between 150° F (66° C) and 550° F (288° C).

- 1 Position the oven rack where you want it.
- 2 Press **Bake**. The display shows the default temperature 350° and the bake icon blinks. If the default temperature is the cooking temperature you want, skip to step 4.
- 3 (Optional) Press the numbers to enter the cooking temperature you want. The display blinks the temperature.
- 4 Press **Start**. The oven automatically lights and starts preheating. Preheating is important for good baking results. The display shows *PRE, 100°*, the time of the day, and bake icons until the oven reaches 100°. Then, the display shows the actual oven temperature. When the oven reaches the temperature you set, it beeps three times.
- 5 Place the food in the oven, then close the oven door.
- 6 When baking is complete, remove the food from the oven, close the oven door, then press **Off/Clear**. The oven shuts off and the display shows the time of day.
- 7 To change a programmed baking temperature, press **Bake**, enter the new baking temperature, then press **Start**. The oven completes cooking at the new temperature.

## Adjusting the thermostat

If your baking results aren't what you are used to, you can adjust the present oven cooking thermostat by up to  $\pm 35^{\circ}$  F ( $\pm 19^{\circ}$  C).

**Note:** This temperature adjustment is retained in memory after a power failure. This adjustment is used in all future baking, including Bake, Convection Bake, Convection Roast, Broil, and Keep Warm. Adjusting the thermostat doesn't affect steam-cleaning. If you want to adjust the temperature for a single baking task, see Baking on page 34.

- 1 Press and hold **°F / °C** for three seconds while in standby mode. The display shows 0.
- 2 Use the numbers to enter the temperature adjustment you want. For example, if you want the oven temperature to be 10° higher than the displayed temperature, press **1**, then **0**. If you want the temperature to be 10 degrees lower, press **1**, **0**, then press and hold **°F / °C** for one second. The display changes to -10.
- 3 Press **Start**. The display shows the time of day. The next time you bake, the oven uses the new temperature setting.

## Convection baking and roasting

The Convection Bake and Convection Roast functions let you program the oven to bake or roast at any temperature between 150° F (66° C) and 550° F (288° C). The fan in the back of the oven cavity circulates the hot air evenly throughout the oven cavity. As a result, foods are more evenly cooked and browned in less time than with regular heat.

For convection baking:

- Ideal for foods being cooked on multiple racks.
- Good for large quantities of baked foods.
- Provides good results with cookies, biscuits, brownies, cupcakes, cream puffs, sweet rolls, angel food cake, and bread.
- Cookies have best cooking results when cooked on flat cookie sheets.
- When convection baking on a single rack, place the oven rack in position 3 or 4.
- When convection baking on multiple racks, place the oven racks in position 3 and 5.

For convection roasting:

- Good for larger tender cuts of meat, uncovered.
- Place a broil pan and grid under the meat or poultry during convection roast for best results. The pan catches grease spills and the grid prevents grease spatters.

- 1 Position the oven rack in the location you want.
- 2 Press  **Bake** (Convection Bake) or  **Roast** (Convection Roast). The oven beeps every time a pad is pressed. The display shows the default temperature 325° and the bake icon blinks. If the default temperature is the temperature you want, skip to step 4.
- 3 (Optional) Press the numbers for the temperature you want. All roasting should be done on a broil pan and grid.
- 4 Press **Start**. The oven automatically lights and starts preheating. Preheating is important for good baking results. The display shows *PRE, 100°*, the time of day, and *Fan Bake* or *Fan Roast* until the oven reaches 100°. Then, the display shows the actual oven temperature. When the oven reaches the temperature you set, it beeps three times.
- 5 Place the food in the oven and close the oven door.
- When baking or roasting is complete, the oven automatically shuts off, *END* blinks on the display, and the oven beeps for 30 seconds or until you press **Off/Clear**. The display shows the time of day.
- 6 To change a programmed baking temperature, press  **Bake** or  **Roast**, enter the new temperature, then press **Start**. The oven completes cooking at the new temperature.

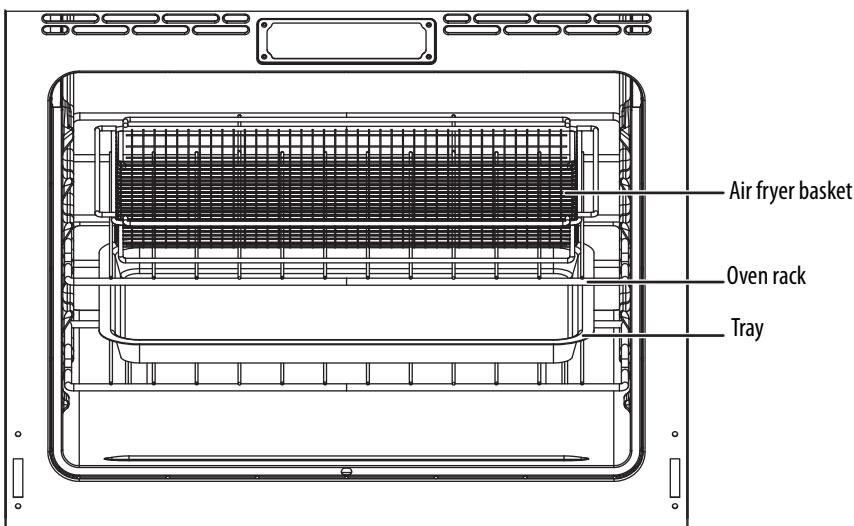
## Using Air Fry

The Air Fry feature uses hot air for crispier and healthier frozen or fresh foods without any (or less than normal) oil compared to convection modes.

The Air Fry feature works best for single rack baking with packaged and convenience foods. Make sure that you remove the packaging from food before cooking it. You can program for temperatures between 350° F and 550° F. Leave the oven light off when baking.

**Note:** For best results, use this mode in single oven mode and place the Air Fryer basket in position 4.

- Place a baking sheet or tray (not included) on the rack below the Air fryer basket to catch any drippings. This will help to reduce splatter and smoke.
- Take out the air fryer basket before self cleaning.
- Wear heat-resistant gloves when taking out cooked food.
- Make sure food in the air fryer basket does not exceed 11 lbs. (5 kg).



- 1 Arrange the food on the rack.
- 2 Press **Air Fry**. The default temperature is 425° F. If the default temperature is the temperature you want, skip to step 4.
- 3 (Optional) Press the *numbers* for the temperature you want.
- 4 Press **START**.
- 5 When cooking is complete, press **OFF** and take the food out.

## Programming the cook time

The Cook Time function lets you program the oven to cook food at a set temperature for a specified length of time. At the end of the set time, the oven automatically shuts off.

**CAUTION:** Use caution when using the Cooking Time function. This function is best used when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, like milk, eggs, fish, poultry, and meats, should be chilled in a refrigerator before they are placed in the oven. Even when chilled, they shouldn't stand for more than one hour before cooking begins and should be removed promptly when cooking is completed. Eating spoiled food can result in sickness from food poisoning.

- 1 Position the oven rack in the location you want, then place the food in the oven and close the oven door.

**Note:** Place food in the oven after preheating if the recipe calls for it. Preheating is important for good baking results.

- 2 Press **Bake**. The display shows the default temperature and the bake icon blinks. If the default temperature is the temperature you want, skip to step 4.
- 3 (Optional) Press the numbers for the temperature you want. Preheating is important for good baking results. All roasting should be done on a bake pan.
- 4 Press **Cook Time**. The display shows *00:00*.
- 5 Press the numbers for the cooking time you want. The display shows the selected time. You can set the time to any duration from 1 minute to 10 hours.
- 6 Press **Start**. The oven automatically lights and starts preheating.

The display shows the default or selected temperature, *Bake*, and selected cook time, until the oven reaches the temperature you set. When the oven reaches that temperature, it beeps three times. The oven starts cooking for the set amount of time, and the display shows the remaining cooking time.

When the cooking time has elapsed, the oven automatically shuts off, *END* flashes on the display, and the oven beeps for 30 seconds or until you press **Off/Clear**. After that, the display shows the time of day.

- 7 To change the programmed baking temperature, press **Bake**, enter the new baking temperature, then press **Start**. The oven completes cooking at the new temperature.
- 8 To change the cooking time, press **Cook Time**, enter the new cooking time, then press **Start**. The oven continues cooking for the remaining time you set.

**Note:** To see the time of day while cooking, press and hold  (clock set). When you release  (clock set), the display goes back to the remaining cooking time.

## Programming a delayed start time

The Delay Start function lets you use the kitchen timer to automatically start and stop another cooking program (Bake, Convection Bake, or Convection Roast). You can set a delay from 1 minute to 10 hours. The clock must be set to the correct time of day for Delay Start to work correctly.

**CAUTION:** Use caution when using the Delay Start function. This function is best used when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, like milk, eggs, fish, poultry, and meats, should be chilled in a refrigerator before they are placed in the oven. Even when chilled, they shouldn't stand for more than one hour before cooking begins and should be removed promptly when cooking is completed. Eating spoiled food can result in sickness from food poisoning.

- 1 Position the oven rack in the location you want, then place the food in the oven and close the oven door. All roasting should be done on a broil pan and grid.
- 2 Press the pad for the baking or roasting operation you want. The display shows the default temperature. If the default temperature is the temperature you want, skip to step 4.
- 3 (Optional) Press the numbers for the temperature you want. The displays shows the temperature you set.
- 4 Press **Cook Time**. The display shows the cooking temperature, *Bake*, and *00:00*.
- 5 Press the numbers for the cooking duration you want. The display blinks the cooking duration you set. You can set the duration to any amount of time from 1 minute to 10 hours.
- 6 Press **Delay Start**. The display shows *Delay* and *0:00* blinks.
- 7 Use the numbers to enter the duration of time you want the oven to wait before it turns on. You can set the duration to any amount of time from 1 minute to 10 hours.
- 8 Press **Start**. The oven beeps when the start time is reached and starts preheating. When the oven reaches the cooking temperature, it beeps three times.

The display counts down the set cooking time. When the cooking time has elapsed, the oven automatically shuts off, *END* flashes on the display, and the oven beeps for 30 seconds or until you press **Off/Clear**. After that, the display shows the time of day.

- 9 To change the start time, press **Delay Start**, enter a new starting time, then press **Start**.
- 10 To change the programmed baking temperature, press **Bake**, enter the new baking temperature, then press **Start**. The oven completes cooking at the new temperature.
- 11 To change the cooking time, press **Cook Time**, enter the new cooking time, then press **Start**. The oven continues cooking for the remaining time you set.

## Broiling

The Broil function lets you cook and brown foods using only a top heat source. The oven door must remain closed during broiling. The meat or fish should always be placed on a broiling grid in a broiling pan.

**WARNING:** If an oven fire occurs, close the oven door and turn the oven off. If the fire continues, throw baking soda on the fire or use a foam-type fire extinguisher. Don't put water or flour on the fire. Flour may explode and water can cause a grease fire to spread. Both can cause personal injury and/or property damage.

- 1 Place the food on a broiling pan with an insert grid and into the oven. Close the oven door.
- 2 Press **Broil** once for **Hi** and twice for **Lo**. Use **Lo** to cook foods such as poultry or thick cuts of meat thoroughly without over browning them.
- 3 Press **Start**. The oven automatically lights the top oven burner and starts cooking. The display shows the broil setting (**Hi** or **Lo**) you selected and **Broil**.  
Broil on one side until food is browned, then turn and broil on the other side.
- 4 When broiling is completed, press **Off/Clear** to shut off the oven. The display shows the time of day.
- 5 To change a programmed broil setting, press **Broil** to change the setting between **Hi** and **Lo**, then press **Start**. The oven changes the broil setting and completes cooking at the new temperature.

## Broiling guide

This guide is for reference only.

- This guide is based on meats at refrigerator temperature.
- The size, weight, thickness, starting temperature, and your doneness preference affect broiling times.
- If you covered the meat with aluminum foil and you let it stand covered for 10 minutes after cooking is complete, the internal temperature increases by 5-10° F degrees.
- Make sure that you close the door after turning over the food.
- Keep the broil pan (not included) upright in center of rack for a better broil performance.
- We recommend that you preheat for five minutes before broiling.

FOOD	DONESS	SIZE	THICKNESS	BROIL SETTING	RACK POSITION
Hamburgers	Medium	9 patties	1 in.	HI	6
Beef steak	Medium	1 pc.	1 in.	HI	5
Chicken pieces	Well done	2-3 lbs.	3/4 to 1 in.	LO	4
Salmon Fillets	Well done	3-4 lbs.	1/2 to 3/4 in.	HI	5
Pork chops	Well done	1-2 pcs.	1/2 to 3/4 in.	LO	4
Lamb chops	Medium	4-6 pcs.	1 in.	HI	5

## Keeping food warm

The Keep Warm function lets you keep cooked foods warm at a low baking temperature for up to three hours.

- 1 Position the oven rack in the location you want, then place the food in the oven and close the oven door.
- 2 Press **Keep Warm**, then press **Start**. The oven automatically lights and heats to 150° F (65° C). The display shows *Warm* and the time of day.
- 3 When warming is completed, press **Off/Clear**. The display shows the time of day.

## Switching between Fahrenheit or Celsius

You can program the oven control to display temperatures in Fahrenheit or Celsius. The oven was preset at the factory to display in Fahrenheit.

- 1 Press and hold °F / °C for one second. The display shows F or C. The default is F.
- 2 Press and hold °F / °C for one second to change between F and C.
- 3 Press **Start** to save the temperature selection.

## Turning sound on or off

You can turn the sound of the oven controls on or off.

**Note:** The clock and beep warning tones stay on even when you turn sound off.

- 1 Press  (sound) for three seconds. The display shows *Snd On* (sound on) or *Snd Off* (sound off). The default setting is *Snd On*.
- 2 Press  (sound) for three seconds to toggle between *Snd On* and *Snd Off*.
- 3 Press **Start** to save the sound setting.

## Locking oven controls

The Lock function turns off the control panel touch pads to prevent the oven from accidentally being turned on. Touch pads stay locked until you turn this function off.

- 1 Press and hold  (lock) for three seconds. The oven beeps and the display shows *Loc*, the time of day, and the lock icon.
- 2 To unlock the controls, press and hold  (lock) for three seconds.

# Maintenance

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# Cleaning and maintaining

## WARNINGS:

- Always make sure that the controls are off and all surfaces are cool before removing or cleaning any of the range parts. This prevents you from getting burned.
- If your range is pulled out from the wall for any reason, make sure that the anti-tip device is reengaged after your range has been pushed back into place. Failure to take this precaution could result in your range tipping and causing personal injury.

## Cleaning the control panel

### CAUTIONS:

- Never use steel wool or abrasive cleansers.
- Protect the surface from sharp objects.

These items can damage the surface.

- Lock the oven controls. See [Locking oven controls](#) on page 37.
- Clean spatters with a damp cloth or glass cleaner. You can use warm, soapy water to clean heavily soiled areas.
- When cleaning is done, unlock the oven controls.

## Cleaning stainless steel surfaces

**CAUTION:** Don't use a steel-wool pad or abrasive cleaners on stainless steel surfaces. Abrasive pads and cleaners scratch the surface and damage the finish.

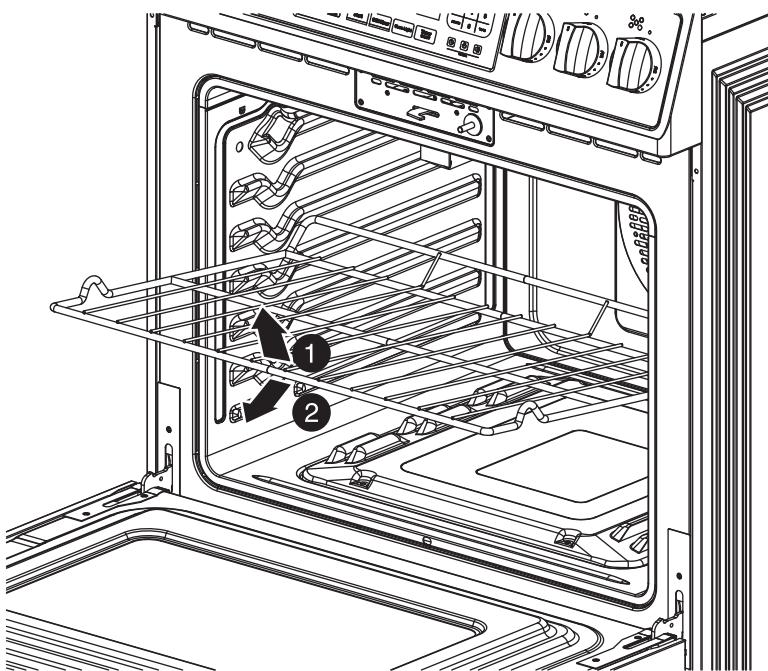
**Note:** To prevent any discolorations or grease stains, we recommend that you clean and remove any spills, spots, and grease from your range after each use.

- Place a small amount of a stainless steel cleaner designed for use with appliances on a damp cloth or damp paper towel.
- Clean a small area, rubbing with the grain of the stainless steel, if applicable.
- Dry and buff with a clean, dry paper towel or soft cloth.
- Repeat as necessary.

**Note:** If you previously used a mineral oil-based stainless steel appliance cleaner, wash the surface with dish washing liquid and water before using the stainless steel cleaner.

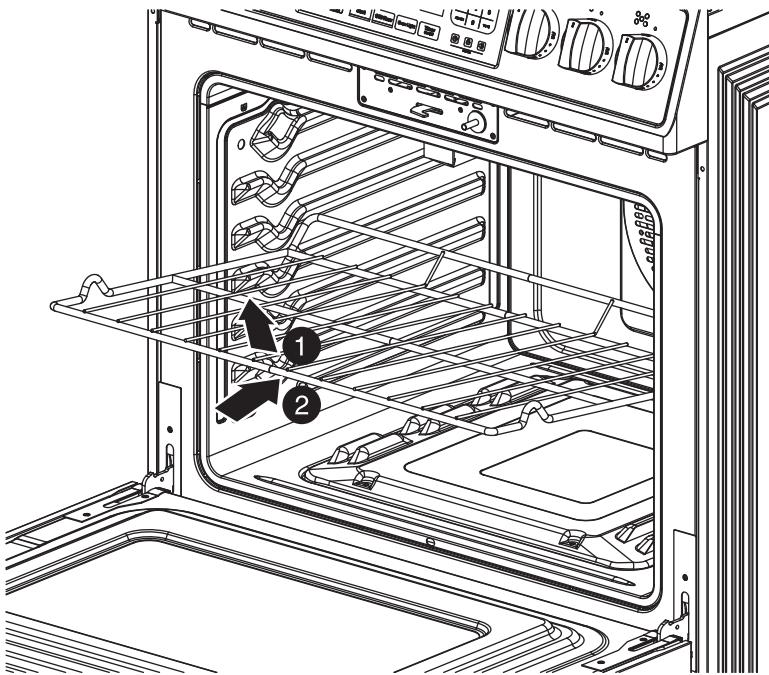
## Cleaning the oven racks

- Pull a rack straight out until it stops.
- Lift up the front of the oven rack and pull to remove it from the oven.



- Clean by hand in hot, soapy water with a plastic or soap-filled scouring pad, then dry with a soft cloth.

4 To replace the rack, place the back edge of the rack on the rack support, then lift the front of the rack and slide it into the oven. If a rack becomes difficult to slide, rub the side rails with wax paper or a cloth containing a small amount of cooking oil. This helps the rack slide more easily in the tracks.

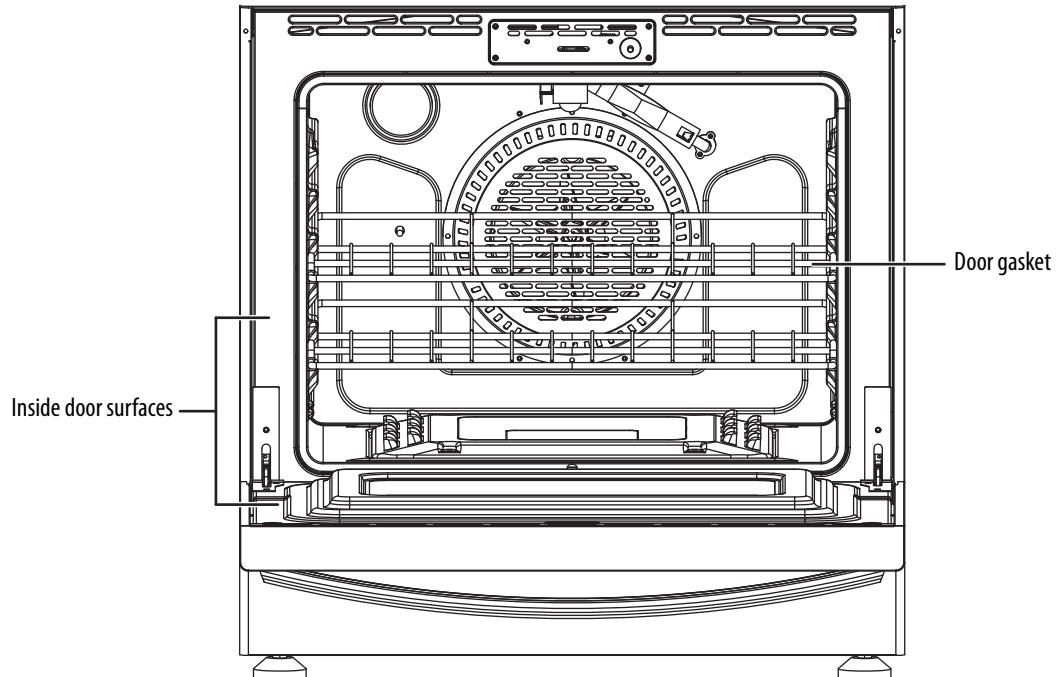


## Cleaning the oven door

**WARNING:** Don't let moisture enter the door or contact the door gasket while cleaning. Moisture entering the door assembly and/or getting on the door gasket damages the gasket.

The oven door has multiple surfaces that require different cleaning techniques. The gasket on the oven door frame should never be cleaned or moved to clean other surfaces. The gasket is made of woven material which is essential for a good heat seal.

1 Clean the inside door surface by hand with hot, soapy water and a soapy plastic scouring pad. Don't let moisture get inside the door assembly.



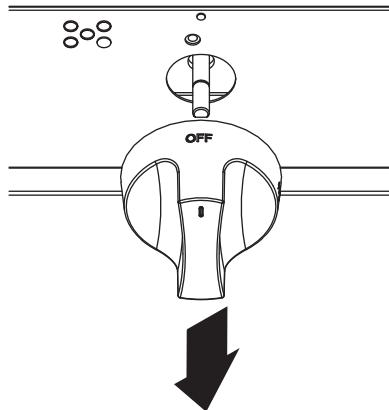
2 Rinse and dry thoroughly with a clean, soft cloth.

- 3 Clean the outside door stainless steel surfaces by following the instructions in [Cleaning stainless steel surfaces](#) on page 39.
- 4 Clean the glass window with glass cleaner or warm, soapy water with a thorough rinse. Don't let moisture get inside the door assembly.

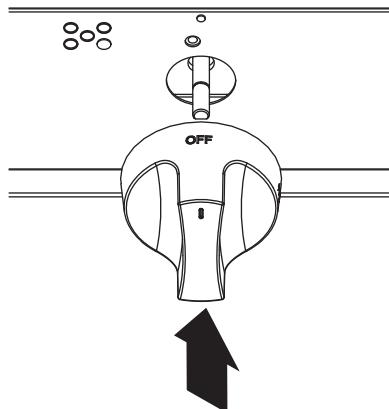
## Cleaning the surface burner control knobs

**WARNING:** Don't use spray cleaners on the surface burner control panel. Spray entering the valve holes could contact electrical components resulting in death, personal injury, or product damage.

- 1 Make sure that all surface burner knobs are in the OFF position.
- 2 Pull the control knobs straight off the surface burner control valve stems. Don't clean the control knobs in a dishwasher. They aren't dishwasher-safe.

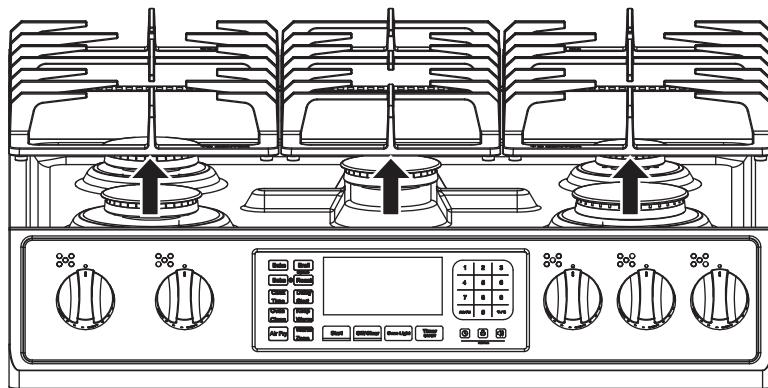


- 3 Clean the knobs in warm, soapy water. Rinse and completely dry all surfaces (including back and stem hole).
- 4 Clean stainless steel surfaces with a stainless steel cleaner on a damp, soft cloth.
- 5 Replace the control knobs in the OFF position by pushing them straight onto the control valve stems.

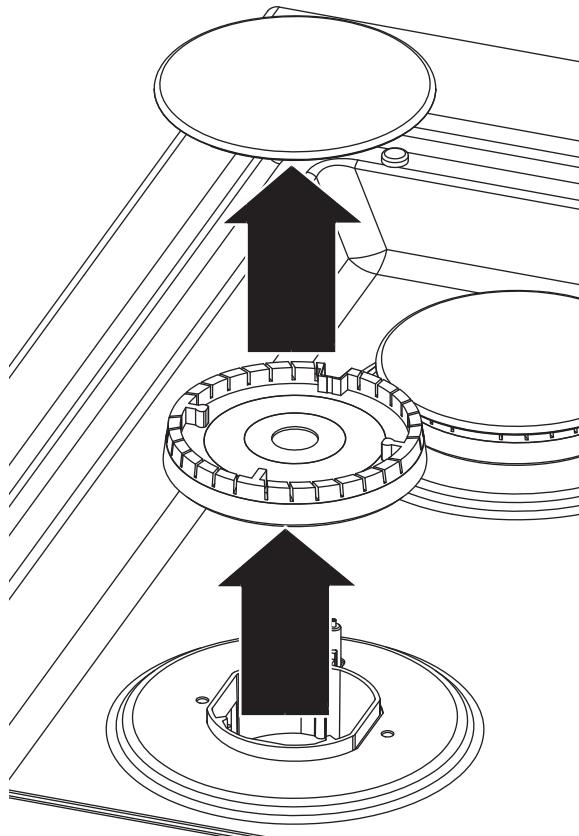


## Cleaning surface burner grates and assemblies

- 1 Turn off all controls and make sure that all parts have cooled.
- 2 Lift up and remove the burner grates from the cooktop. Make note of the burner sizes and locations.



- 3 Lift up and remove the burner caps from the burner heads.

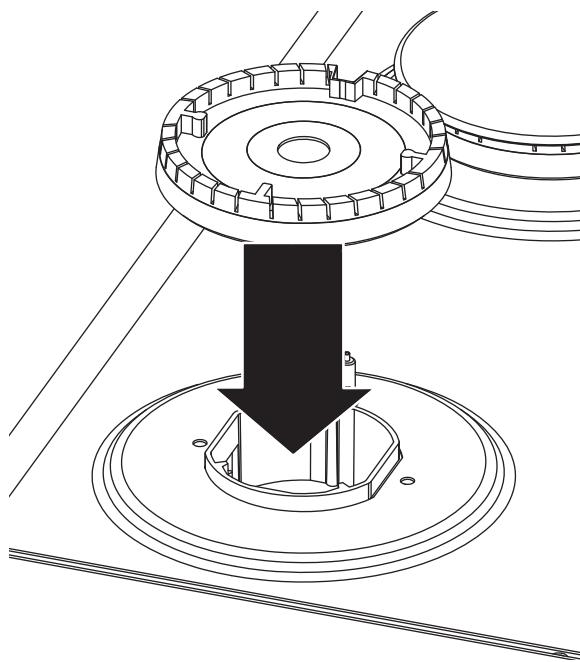


- 4 Lift up and remove the burner heads from the valve manifolds.
- 5 Clean all removable burner parts in warm, soapy water. Don't use steel-wool pads or abrasive cleaners on any burner part.

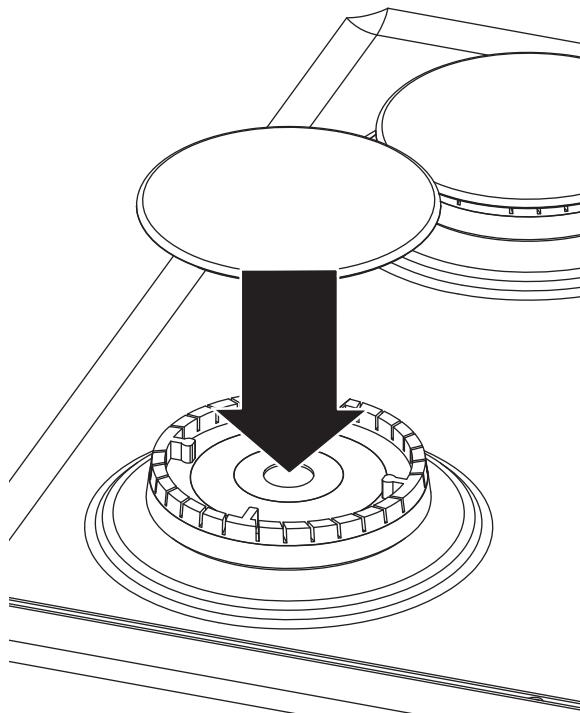
**Note:** Starter electrodes aren't removable and should only be wiped clean when the controls are in the **OFF** position.

- 6 Rinse thoroughly, then completely dry all parts before you reassemble them.

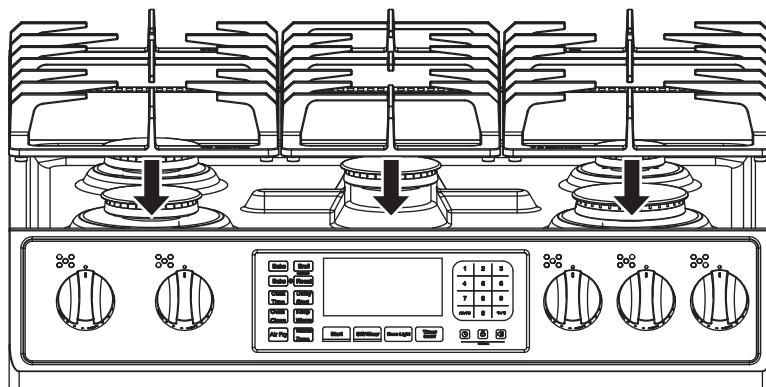
**7** Set all burner heads on top of the manifold valves in the same locations you removed them from. The hole on the side of a burner head goes over the electrode. The burner heads are correctly installed when they are flat on the top of the manifold valves.



**8** Set the burner caps on top of the burner heads. These also need to be flat on top of the burner heads to make sure that the burners are correctly installed and operate safely.



- Replace the burner grates on top of the range cooktop.



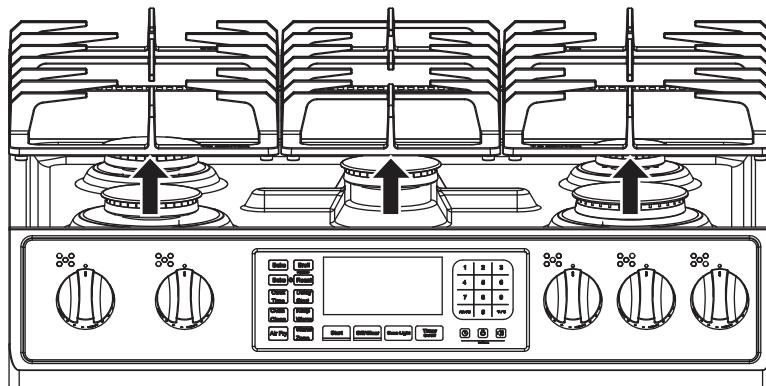
- Push in and turn each surface burner control knob to the **LITE** position, let each burner light, then set each control knob back to a burner setting to make sure each burner operates correctly.

## Cleaning the cooktop

The cooktop surface is a porcelain-enamel surface. To prevent this surface from becoming dull, wipe up and clean spills as they happen. Foods with a lot of acid (for example, tomatoes, sauerkraut, and fruit juices) or foods with high sugar content can cause dull spots if allowed to set.

**WARNING:** Don't use a steel-wool pad or abrasive cleaners on stainless steel surfaces. Abrasive pads and cleaners scratch the surface and damage the finish.

- Make sure that all surface burners are **OFF**.
- When surfaces have cooled, remove the burner grates.



**WARNING:** Don't remove or lift the cooktop during cleaning. Doing so could damage the gas lines leading to the surface burner manifolds, causing poor or dangerous operation.

- Clean the cooktop surface with warm, soapy water and a soft, damp cloth. If a spill goes under a surface burner, remove the surface burner cap and head to access and clean the spill. See [Cleaning surface burner grates and assemblies](#) on page 42.
- Rinse with clean water, then dry and polish with a soft, dry cloth.
- Reassemble burner components (if removed) and replace the burner grates.

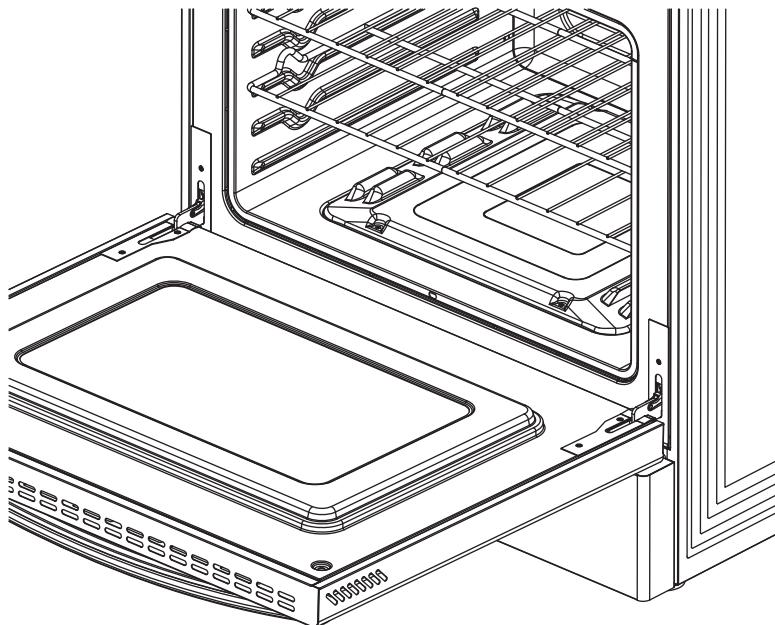
## Removing and replacing the oven door

**WARNINGS:**

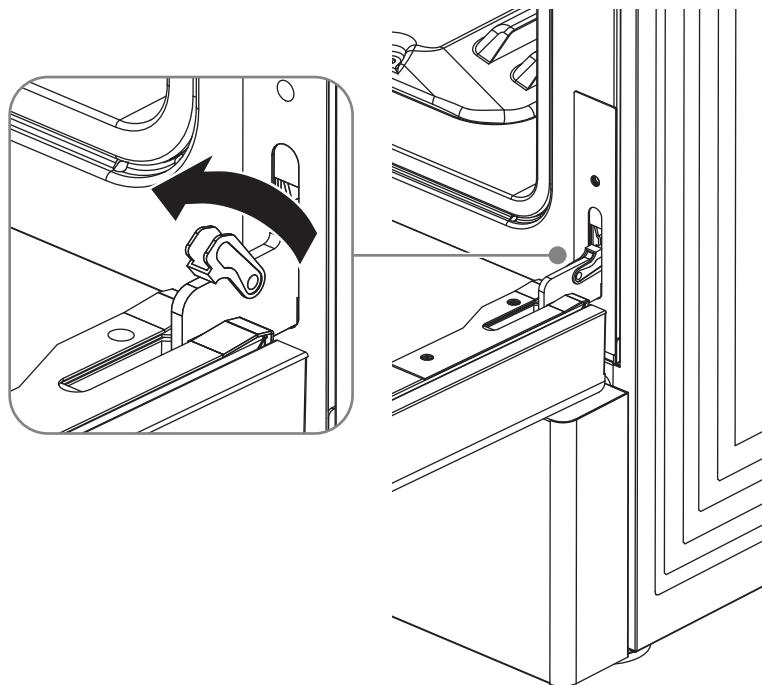
- The oven door is heavy. Don't lift the door by its handle. Be careful not to drop the door during removal. Incorrect handling could result in personal injury.
- Disconnect the electrical power to your range before removing the oven door. This prevents the oven from accidentally being turned on while the door is removed.

**Removing the door**

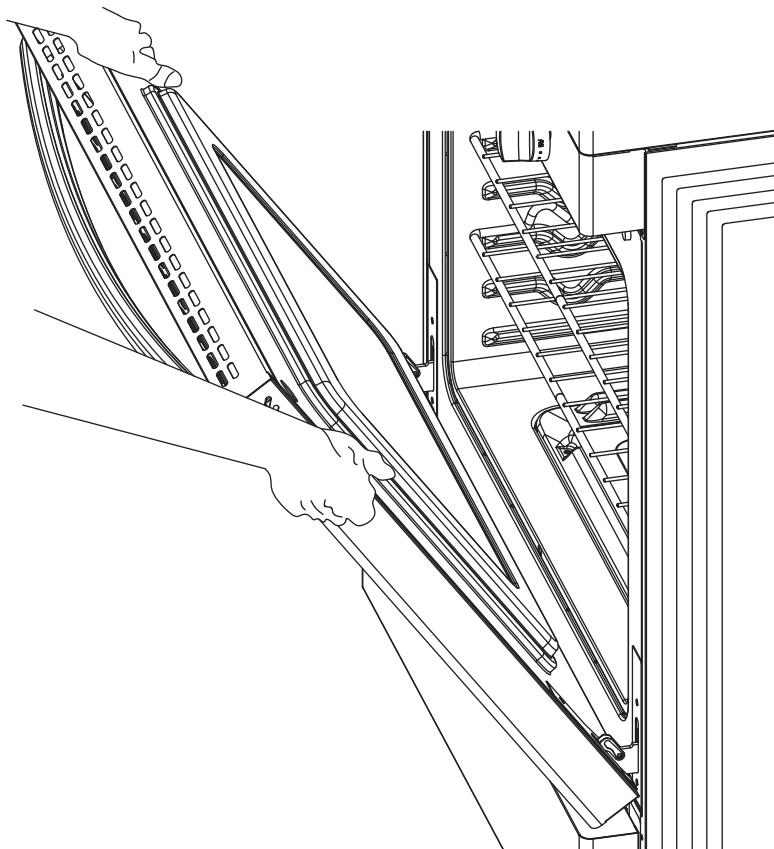
- 1 Completely open the oven door.



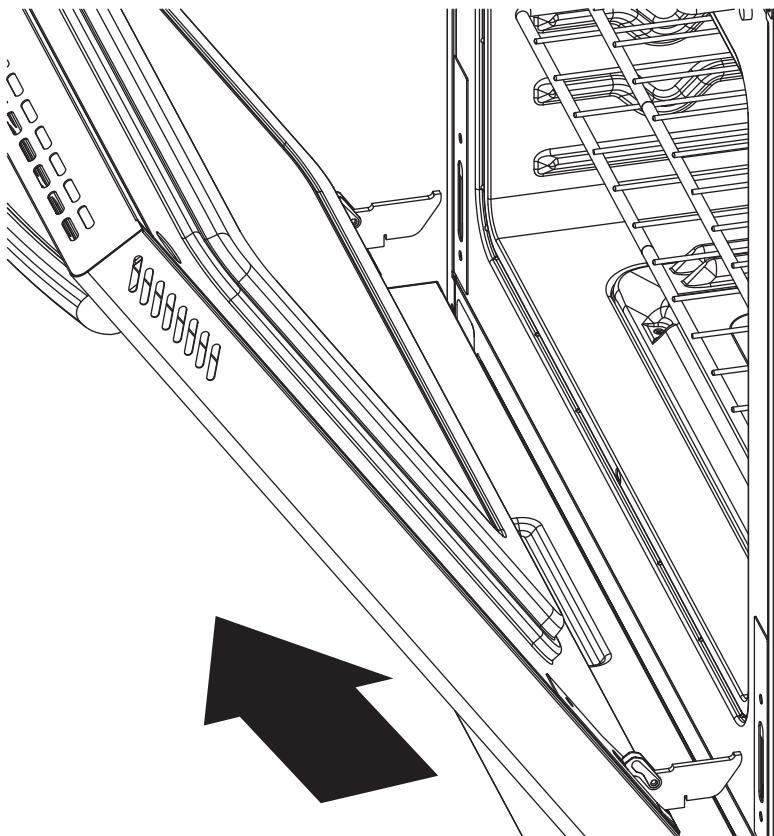
- 2 Open the levers fully on both sides.



3 Hold the door firmly on both sides.

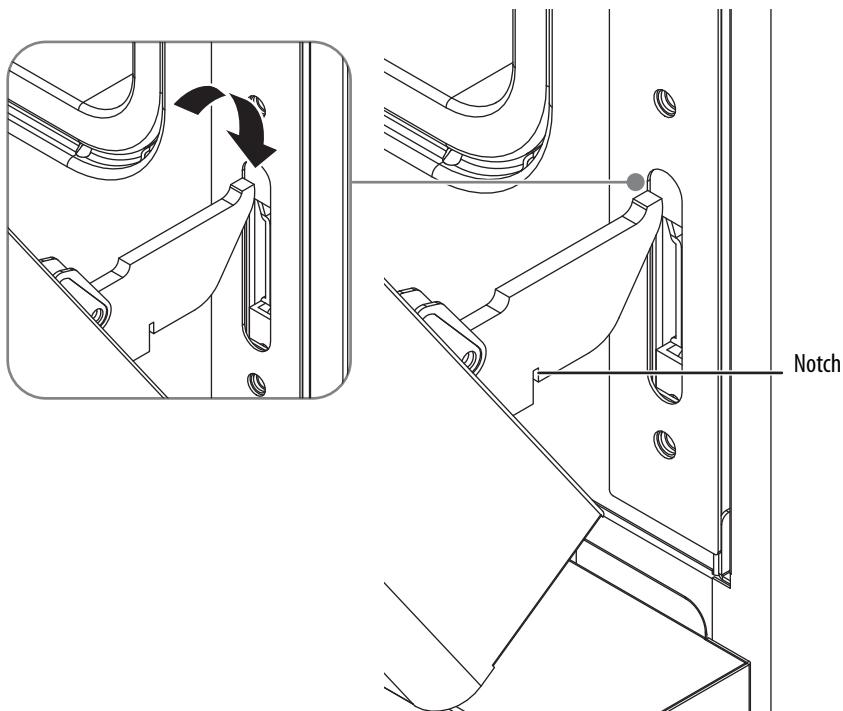


4 Disconnect the hinges and remove the door gently with a 30° angle between the door and the oven. Place the door on a protected surface.

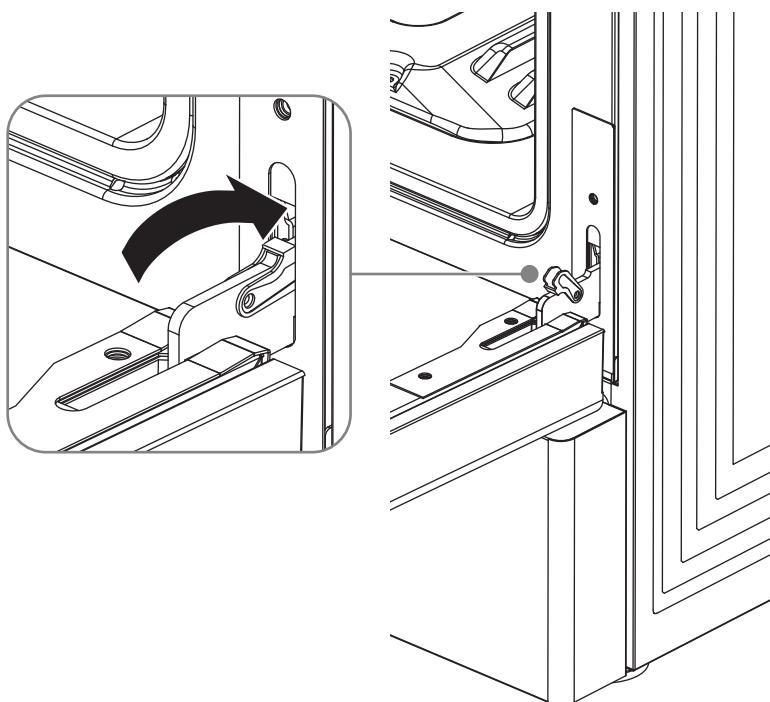


**Replacing the door**

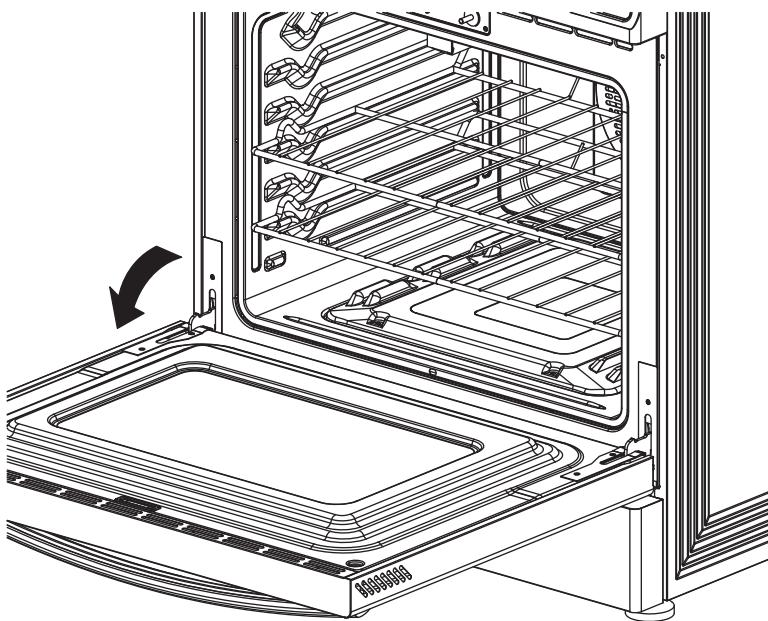
- 1 Hold the door firmly in an almost half open position.



- 2 Insert the hinge tongues into the slots making sure that the notches on both sides drop into place.
- 3 Open the door fully.



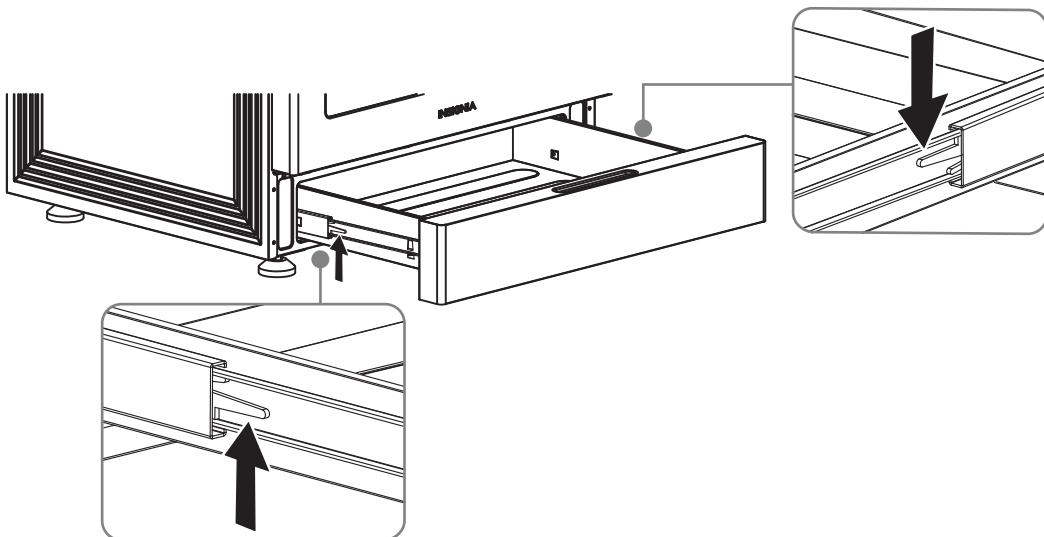
- 4 Fully close the levers on the left and right hinges, then close the door.



## Removing and replacing the storage drawer

The storage drawer is a good place to store cookware and bakeware. Don't store plastics or flammable material in the drawer. Clean the storage drawer with a damp cloth or sponge. Never use harsh abrasives or scouring pads.

- 1 Slide the drawer open until it stops.
- 2 Locate the roller guide clips on either side.
- 3 Using both hands, lift the left clip while pulling down on the right clip, then remove the drawer.



- 4 Clean the drawer in warm, soapy water using a cloth or soft brush, then rinse and dry it thoroughly.
- 5 Put the drawer in the roller guides on either side, and then snap the clips into place.

## Self-cleaning the oven

### CAUTIONS:

- Don't leave small children unattended near your range during the self-cleaning cycle. The outside surfaces of your range can get extremely hot.
- Some birds are extremely sensitive to fumes from a self-cleaning oven. Relocate birds to a well-ventilated room away from your range.
- Don't line the oven, oven racks, or oven bottom with aluminum foil. Doing so results in poor heat distribution, produces poor baking results, and causes permanent damage to the oven interior. The aluminum foil melts onto and adheres to the interior oven surfaces.
- Don't force the oven door open during the self-cleaning cycle. This damages the automatic door-locking system. The door automatically locks when the self-cleaning cycle is started and stays locked until the cycle is canceled and the oven temperature is below 400 °F (204 °C).
- Use caution when opening the oven door after the self-cleaning cycle. The gas oven may still be VERY HOT and hot air and steam might escape when the door is open.
- Wipe off any excess spillage before using the self-cleaning operation.
- Don't use oven cleaners. Commercial oven cleaners or oven liners should NEVER be used in or around any part of the oven. Residue from oven cleaners damages the inside of the oven during a self-cleaning operation.

- 1 Make sure that the door lock is released. Remove all racks from the oven cavity.
- 2 Make sure that the oven door is completely closed and unlocked.
- 3 Select the cleaning mode and time by pressing **Oven Clean** two or more times. When you press **Oven Clean** repeatedly, your oven cycles between:
  - One press for steam cleaning
  - Two presses for self clean for 3 hours
  - Three presses for self clean for 5 hours
  - Four presses, self clean for 2 hours
- 4 Press **START**. The oven door locks and the oven begins to heat up.

When the self-cleaning cycle is complete, the oven beeps three times. The door remains locked and the Lock icon blinks until the oven temperature falls below 400 °F (204 °C). When the Lock icon turns off, you can open the oven door.

- 5 When the oven has cooled down, wipe the oven surfaces with a cloth to remove ash residue. Use a steel-wool pad to remove stubborn stains. Use a vinegar-soaked cloth to remove lime deposits. If you aren't satisfied with the cleaning results, repeat the cycle. *HOT* appears on the display until the oven cools down. Wait until the message disappears, and then start a new cycle.

6 Press **OFF** to change the display to the time of the day display.

**WARNING:** Make sure that all controls are OFF and all surfaces are COOL before cleaning any part of your range.

**CAUTION:** Don't use the surface burners while the oven is performing a self-cleaning cycle. Self-clean doesn't operate if a surface burner is on.

**Note:** The cooling fan automatically runs for a certain amount of time after self-cleaning.

### Cancelling the self-cleaning cycle

You may need to stop or interrupt a self-cleaning cycle because of smoke in the oven.

- Press **OFF**. The cycle turns off, but the door remains locked and the Lock icon blinks until the oven temperature falls below 400° F (204° C).

### Steam cleaning the oven

1 Remove all accessories from the oven.

2 Pour 10 oz. (300 ml) of water onto the bottom of the empty oven, then close the oven door. Use normal water only, not distilled water.

When steam-cleaning, use exactly 10 oz. of water since this produces the best results.

**Note:** For heavy residue, such as grease left over from roasting, we recommend that you rub detergent into the residue before activating the steam-cleaning function.

3 Press **Oven Clean** once. The *Steam Clean* icon appears in the display.

4 Press **Start**. When the operation is complete (about 25 minutes), the display blinks and a beep sounds.

**Note:** If you press **Oven Clean** when the oven temperature is above 150° F, *HOT* appears in the display. Because this function produces the best results when started while the oven is cool, we recommend that you wait until the oven has cooled down and *HOT* disappears from the display.

5 Press **Off/Clear**.

**WARNING:** Be careful when opening the door before a steam-cleaning procedure has ended. The water on the bottom is hot.

6 Open the oven door and remove the remaining water with a sponge. Don't leave the residual water in the oven for any length of time. A significant amount of water remains on the bottom of the oven after a steam-cleaning cycle.

Use a detergent-soaked sponge, a soft brush, or a nylon scrubber to wipe the oven interior. Use a steel-wool pad to remove stubborn stains. Use a vinegar-soaked cloth to remove lime deposits.

7 If the oven is still dirty, repeat this procedure after the oven has cooled.

8 After cleaning, leave the oven door ajar at a 15° angle to let the interior enamel surface dry thoroughly.

## Troubleshooting

### Cooktop

If the solutions in this section don't solve a problem, contact a qualified service technician or Insignia customer service.

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
I smell gas	There is a gas leak.	Clear the room, building, or area of all occupants. Immediately call your gas supplier from outside the building. Don't call from a phone inside the building. Your range is electrical and could cause a spark that could ignite the gas. Follow the gas supplier's instructions. If you can't reach your gas supplier, call the Fire Department.
My range isn't level	The kitchen cabinets may not be level and may make your range appear to be not level.	Make sure that the cabinets are square and provide sufficient room for installation.
	Your range has been installed incorrectly. One or more of the leveling legs may be damaged or uneven.	Make sure that the floor is level, strong, and stable. If the floor sags or slopes, contact a carpenter. Check and level your range. See <u>Leveling your range</u> on page 22.

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
No burners light	The power cord isn't plugged into the electrical outlet.	Make sure that the power plug is plugged into a live, correctly grounded outlet.
	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	The gas supply isn't correctly connected or turned on.	See <a href="#">Connecting to gas</a> on page 19.
One of the surface burners doesn't light	The control knob isn't set correctly.	Push in the control knob and turn it to the LITE position.
	The burner caps aren't in place or the burner base is misaligned.	Clean the electrodes. Put the burner cap on the burner head. Align the burner base.
Surface burner clicks during operation	The control knob has been left in the LITE position.	After the burner lights, turn the control knob to a desired setting. If the burner still clicks, contact a qualified service technician.
The burners don't burn evenly	Surface burners are dirty.	Clean the burners. See <a href="#">Cleaning the cooktop</a> on page 44 and <a href="#">Cleaning surface burner grates and assemblies</a> on page 42.
	Surface burner components and caps aren't assembled correctly and level.	See <a href="#">Cleaning surface burner grates and assemblies</a> on page 42.
Very large or yellow surface burner flames	Wrong orifice is assembled.	Contact your installer to check the burner orifice size or LP gas conversion.

## Oven

If the solutions in this section don't solve a problem, contact a qualified service technician or Insignia customer service.

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
Surface burners light but oven burners don't light	The gas pressure regulator shut off switch is in the off position.	Call a qualified service technician.
Display goes dark	The electrical outlet ground fault interrupter (GFI or GFCI) has been tripped and needs to be reset.	Replace fuse or reset circuit breaker.
Very large or yellow oven burner flames	The oven burner air adjustment shutters need to be adjusted.	Call for a qualified service technician.
	Gas supply isn't correctly connected or turned on.	See <a href="#">Connecting to gas</a> on page 19.
Food doesn't bake or roast correctly in the oven	Wrong cooking mode is selected.	See <a href="#">Using the oven</a> on page 30.
	The oven racks haven't been positioned correctly for the foods being cooked.	See <a href="#">Positioning the oven racks</a> on page 31.
	Incorrect cookware or cookware of incorrect size being used.	See <a href="#">Using the correct cookware</a> on page 29.
	Oven thermostat needs adjustment.	See <a href="#">Adjusting the thermostat</a> on page 34.
	There is aluminum foil on racks or oven bottom.	Remove the foil.
Clock or timers aren't set correctly.	See: <ul style="list-style-type: none"> <li><a href="#">Setting the clock</a> on page 33</li> <li><a href="#">Programming the cook time</a> on page 35</li> <li><a href="#">Programming a delayed start time</a> on page 36</li> </ul>	

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTION
Food doesn't broil correctly in the oven	Oven controls aren't set correctly.	See <a href="#">Broiling</a> on page <a href="#">36</a> .
	Oven door wasn't closed during broiling.	Keep the oven door closed when broiling.
Oven temperature is too hot or cold	Oven thermostat needs adjustment.	See <a href="#">Adjusting the thermostat</a> on page <a href="#">34</a> .
Oven light won't turn on.	The bulb is burned out.	Call for a qualified service technician.
Oven smokes excessively during broiling	Meat or food wasn't correctly prepared before broiling.	Cut away excess fat or fatty edges that may curl.
	Controls aren't set correctly.	See <a href="#">Broiling</a> on page <a href="#">36</a> .
	Greasy buildup on oven surfaces.	Regular cleaning is necessary when broiling frequently.
	The food may be too close to the broiler burner.	Move the broiler dish to a lower rack.
I hear a crackling or popping noise	This is normal.	This is the sound of the metal heating and cooling during any cooking or cleaning function.
Steam or smoke coming from under the control panel.	This is normal.	The oven vent is located at the rear of your range. More steam is visible when using the convection functions or when baking or roasting multiple items at the same time.
I smell a strong odor	An odor coming from the insulation around the inside of the oven is normal for the first few times the oven is used.	Operate the oven at the bake setting at 400° F (204° C) for one hour.
The oven doesn't self-clean	The oven door lock is turned on.	The display shows the Lock icon. Hold the oven door open, then press  for three seconds. The oven beeps and the Lock icon turns off.
	The oven is too hot.	Let the oven cool down, then reset the controls. The self-clean cycle doesn't lock the oven door if the oven temperature is too hot. The door must lock before the self-clean cycle can start.
	The self-cleaning oven controls aren't set correctly.	Reset the self-cleaning oven controls. See <a href="#">Self-cleaning the oven</a> page <a href="#">49</a> .
	A surface burner is on.	Turn off the surface burner. Self-clean doesn't operate if a surface burner is on.
Excessive smoking during a self-cleaning cycle	This is the first time the oven has been cleaned.	This is normal. The oven always smokes more the first time it's cleaned. Wipe up all the excess soil before you start the self-cleaning cycle. If smoke persists, press <b>OFF/CLEAR</b> . Open windows to clear the smoke from the room. After the oven cools and unlocks, wipe up excess soil, then run the self-cleaning cycle again.
The oven door doesn't open after a self-cleaning cycle	This is normal.	The oven door stays locked until the temperature drops to below 400° F (204 °C).
The oven isn't clean after a self-cleaning cycle	A fine dust or ash is normal.	You can clean the dust or ash with a damp cloth. Set the self-cleaning cycle for a longer cleaning time. The cycle wasn't long enough to burn off the dirt buildup. Extremely dirty ovens require hand-cleaning of excessive spillovers and food buildup before you start a self-cleaning cycle. You may need to run several self-cleaning cycles to completely clean the oven.

## Error codes

ERROR CODE	POSSIBLE CAUSE	SOLUTION
E0	Oven temperature detection circuit failure.	
E1	After the oven starts to heat up, the temperature rises very slowly.	
E2	Oven door switch detection failure.	
E3	The oven cannot be heated.	
E5	The oven's normal cooking temperature exceeds 650° F (343° C).	
E8	Communication failure between display board and main control board	
E9	The main control board AC main power frequency detection failure.	
E10	The oven door can't be locked or unlocked.	
E11	Main control board CPU internal failure.	
E12	Display board CPU internal failure.	
E13	When oven is working, the ambient temperature of the main control board PCB is too high.	
E14	The ambient temperature detection NTC circuit of the main control board PCB is faulty.	
E15	The software information of the main control board and the display board do not match.	
E16	After the oven is locked, the oven door can be opened or the detection circuit that locks the door in place fails, causing the door to not be securely locked.	
E17	The cooling fan motor speed detection circuit is faulty.	
E18	Communication failure between the touch chip of the display board and the CPU.	

### Turning demo mode on or off

When your range is in demo mode, most of its functions don't work.

- To turn off demo mode, press and hold the **1** and **9** numbers on the control panel simultaneously for three seconds, then release. **OFF SHOP** appears on the display for one second, then your range resumes its normal mode of operation.
- Repeat to turn demo mode on. **ON SHOP** appears on the display for one second, then your range enters demo mode.

**Specifications**

Dimensions (H × W × D)	38 1/8 to 39 1/8 × 29 15/16 × 27 1/8 in. (96.8 to 99.4 × 75.9 × 68.9 cm)
Weight	Gross Weight: 229.2 lbs. (104 kg) Net Weight: 198.4 lbs. (90 kg)
Power requirements	110 ~ 120V/60Hz
Power cord length	5 ft. (1.5 m)
Cooktop burners	Right Front: NG-18,000 BTU/LPG-16,000 BTU Left Front: NG-11,500 BTU/LPG-10,000 BTU Right Rear: NG-5,000 BTU/LPG-4,000 BTU Left Rear: NG-9,000 BTU/LPG-7,000 BTU Center: NG-11,000 BTU/LPG-10,000 BTU
Oven burner	Bake: NG-18,500 BTU/LPG-18,500 BTU Broil: NG-12,000 BTU/LPG-12,000 BTU
Oven temperatures	Bake: 150 ~ 550° F (66 ~ 288° C) Convection (fan) Bake: 150 ~ 550° F (66 ~ 288° C) Convection (fan) Roast: 150 ~ 550° F (66 ~ 288° C) Air fry: 350° ~ 550° F (177 ~ 288° C)
Oven light	40W
Gas type	Natural or propane

# ONE-YEAR LIMITED WARRANTY

## Definitions:

The Distributor\* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at [www.bestbuy.com](http://www.bestbuy.com) or [www.bestbuy.ca](http://www.bestbuy.ca) and is packaged with this warranty statement.

## How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

## What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

## How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location or from a Best Buy online website ([www.bestbuy.com](http://www.bestbuy.com) or [www.bestbuy.ca](http://www.bestbuy.ca)), please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States and Canada call 1-877-467-4289. Call agents may diagnose and correct the issue over the phone.

## Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the country where the original purchase was made.

## What does the warranty not cover?

This warranty does not cover:

- Food, beverage, and/or medicine loss/spoilage.
- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place other than a private home.
- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

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