FRIGIDAIRE

All about the Use & Care of your Electric Range with Induction Cooktop

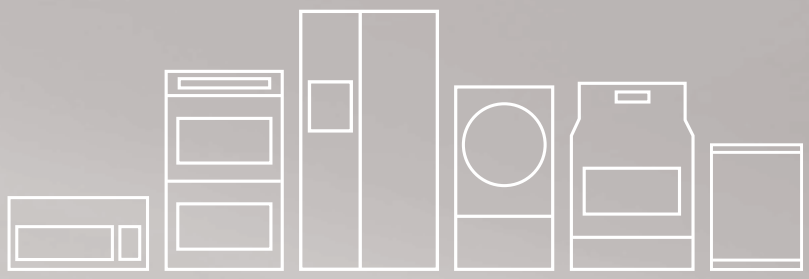


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Thank you for choosing Frigidaire.
Important: This Use and Care Guide is part of our commitment to customer satisfaction and product quality throughout the service life of your new appliance. We view your purchase as the beginning of a relationship. To ensure our ability to continue serving you, please use this page to record important product information.

Need Help?

Visit the Frigidaire web site at www.frigidaire.com

Before you call for service, there are a few things you can do to help us serve you better.

Read this Use & Care Manual

This manual contains instructions to help you use and maintain your range properly.

If You Received a Damaged Range...

Immediately contact the dealer (or builder) that sold you the range.

Save Time and Money

Check the section title “Before You Call”. This section helps step you through some common problems that might occur.

If you do need service, help is only a phone call away. Call Frigidaire Customer Services at **1-800-944-9044**.

Questions?

For toll-free telephone support in the U.S. and Canada call **1-800-944-9044.**

For online support and Internet production information visit **http://www.frigidaire.com**.

Product Registration

Registering your product with Frigidaire enhances our ability to serve you. You can register online at **http://www.frigidaire.com** or by dropping your Product Registration Card in the mail.

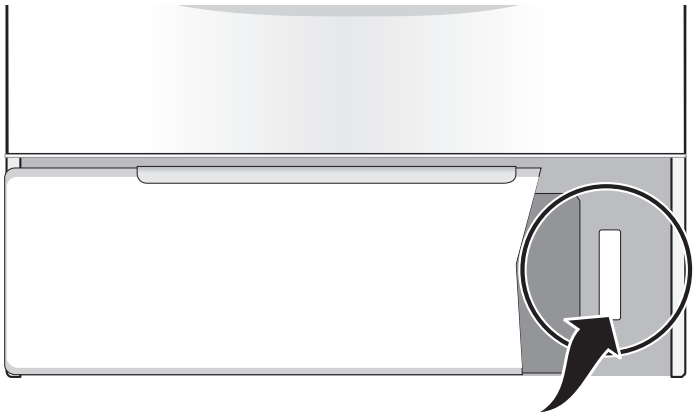
Record model & serial numbers here

Purchase Date

Frigidaire model number

Frigidaire serial number

Serial Plate Location



Serial plate location: open lower oven drawer (some models) or storage drawer (some models).

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IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance.

This manual contains important safety symbols and instructions. Please pay attention to these symbols and follow all instructions given.

Do not attempt to install or operate your appliance until you have read the safety precautions in this manual. Safety items throughout this manual are labeled with a WARNING or CAUTION statement based on the risk type.

Warnings and important instructions appearing in this guide are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised with installing, maintaining, or operating your appliance.

DEFINITIONS

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

Indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

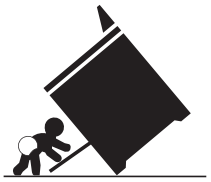
IMPORTANT

Indicates installation, operation, maintenance, or valuable information that is not hazard related.

NOTE

Indicates a short, informal reference – something written down to assist the memory or for future reference.

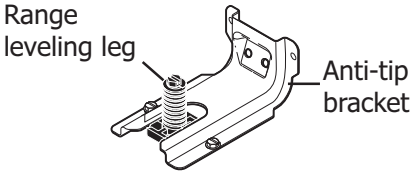
WARNING



Tip Over Hazard

- **A child or adult can tip the range and be killed.**
- **Verify the anti-tip device has been installed to floor or wall.**
- **Ensure the anti-tip device is re-engaged to floor or wall when the range is moved.**
- **Do not operate the range without the anti-tip device in place and engaged.**
- **Failure to follow these instructions can result in death or serious burns to children and adults.**





To check if the anti-tip bracket is installed properly, use both arms to grasp the rear edge of the range back. Carefully attept to tilt range forward. When properly installed, the range should not tilt forward.

Refer to the anti-tip bracket installation instructions supplied with your range for proper installation.

IMPORTANT

Save these instruction for future reference

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT INSTRUCTIONS FOR UNPACKING AND INSTALLATION

IMPORTANT - Read and follow the below instructions and precautions for unpacking, installing, and servicing your appliance:

Remove all tape and packaging before using the appliance. Destroy the carton and plastic bags after unpacking the appliance. Never allow children to play with packaging material. Do not remove the wiring label and other literature attached to the appliance. Do not remove model/serial number plate.

Cold temperatures can damage the electronic control. When using this appliance for the first time, or when the appliance has not been used for an extended period of time, be sure the appliance has been in temperatures above 32ºF (0ºC) for at least 3 hours before turning on the power to the appliance.

Never modify or alter the construction of the appliance by removing the leveling legs, panels, wire covers, anti-tip brackets/screws, or any other part of the appliance.

Be sure to have an appropriate foam-type fire extinguisher available, visible, and easily accessible located near the appliance.

GROUNDING INSTRUCTIONS

⚠ WARNING

Avoid fire hazard or electrical shock. Failure to follow this warning may cause serious injury, fire, or death.

Avoid fire hazard or electrical shock. Do not use an adapter plug, use an extension cord, or remove grounding prong from the power cord. Failure to follow this warning may cause serious injury, fire, or death.

Proper Installation—Be sure your appliance is properly installed and grounded by a qualified technician. In the United States, install in accordance with the National Fuel Gas Code ANSI Z223.1/NPFA No. 54, latest edition and National Electrical Code NFPA No. 70 latest edition, and local electrical code requirements. In Canada, install in accordance with CAN/CGA B149.1 and CAN/CGA B149.2 and CSA Standard C22.1, Canadian Electrical code, Part 1-latest editions and local electrical code requirements. Install only per installation instructions provided in the literature package for this appliance.

For personal safety, this appliance must be properly grounded. For maximum safety, the power cord must be securely connected to an electrical outlet or junction box that is the correct voltage, is correctly polarized and properly grounded, and protected by a circuit breaker in accordance with local codes.

It is the personal responsibility of the consumer to have the appropriate outlet or junction box with the correct, properly grounded wall receptacle installed by a qualified electrician. It is the responsibility and obligation of the consumer to contact a qualified installer to assure that the electrical installation is adequate and is in conformance with all local codes and ordinances.

See the installation instructions packaged with this appliance for complete installation and grounding instructions.

Save these instructions for future reference

IMPORTANT INSTRUCTIONS FOR USING THE APPLIANCE

⚠ WARNING

Storage In or On Appliance—Flammable materials should not be stored in an oven or microwave, near surface burners or elements, or in the storage or warmer drawer (if equipped). This includes paper, plastic, and cloth items, such as cookbooks, plastic ware, and towels, as well as flammable liquids. Do not store explosives, such as aerosol cans, on or near the appliance.

Do not leave children alone - Children should not be left alone or unattended in the area where appliance is in use. They should never be allowed to sit or stand on any part of the appliance, including the storage drawer, lower broiler drawer, warmer drawer, or lower double oven.

Do not store items of interest to children in the cabinets above the appliance or on the backguards of ranges. Children climbing on or near the appliance to reach items could be seriously injured.

⚠ WARNING

Do not allow children to climb or play around the appliance. The weight of a child on an open over door may cause the appliance to tip, resulting in serious burns or other injury. An open drawer when hot may cause burns.

Stepping, leaning, or sitting on the door or drawers of this appliance can result in serious injuries and also cause damage to the appliance.

Never cover any slots, holes, or passages in the oven bottom or cover an entire oven rack with any materials, such as aluminum foil or aftermarket oven liners. Aluminum foil and other liners may trap heat, causing a fire hazard.

Do not use oven or warmer drawer (if equipped) for storage.

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

⚠ CAUTION

When heating fat or grease, watch it closely. Grease may catch fire if it becomes too hot.

Do not use water or flour on grease fires. Smother fire or flame or use dry chemical or foam-type extinguisher. Cover the fire with a pan lid or use baking soda.

Use dry potholders. Moist or damp potholders on hot surfaces may result in burns from steam. Do not let potholders touch hot cooking areas. Do not use towels or other bulky cloths.

Do not heat unopened food containers - Build-up of pressure may cause container to burst and result in injury.

Save these instructions for future reference.

IMPORTANT SAFETY INSTRUCTIONS

⚠ CAUTION

Wear proper apparel - Loose-fitting or hanging garments should never be worn while using the appliance. Do not let clothing or other flammable materials contact hot surfaces.

Do not touch surface burners or elements, areas near these burners or elements, interior surfaces of the oven, or the warmer drawer (if equipped). Surface burners and elements may be hot even though they appear cool. Areas near surface burners and elements may become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials touch these areas until they are cool. These areas may include the cooktop, surfaces facing the cooktop, oven vent areas, oven door, and oven window.

Do not attempt to operate the appliance during a power failure. If the power fails, always turn off the appliance. If the appliance is not turned off and the power resumes, electric surface elements may resume operation when power is restored. Once the power resumes, reset the clock and the oven function.

IMPORTANT INSTRUCTIONS FOR USING YOUR INDUCTION COOKTOP

⚠ CAUTION

Persons with a pacemaker or similar medical device should exercise caution using or standing near an induction unit while it is in operation, as the electromagnetic field may affect the working of the pacemaker or similar medical device. It would be advisable to consult your doctor or the pacemaker or similar medical device manufacturer about your particular situation.

Know which knob or key controls each surface heating area. Place cookware with food on the cooking area before turning it on. Turn the cooking area off before removing the cookware.

Cookware handles should be turned inward and not extend over adjacent surface elements. — To reduce the risk of burns, ignition of flammable materials, and spillage due to unintentional contact with the utensil, the handle of the cookware should be positioned so that it is turned inward, and does not extend over other cooking areas.

Glazed cooking utensils — Only certain types of cookware are suitable for cook top service and must be magnetic to work properly on the induction zones. Check the manufacturer’s recommendations for cook top use to ensure that the cookware is compatible with induction cooking.

Improper cookware may break due to sudden changes in temperature. Check the cookware manufacturer’s recommendations for cooktop use.

Use proper pan size - This appliance is equipped with one or more surface units of different sizes. Select cookware with flat bottoms that match the surface unit size. Using the proper cookware on the cooking area will improve efficiency.

Never leave surface elements unattended. Boil-overs may cause smoking and greasy spills that may ignite. A pan that has boiled dry could be damaged and may damage the cooktop.

When you are flaming foods under a ventilating hood, turn on the fan.

Save these instructions for future reference

IMPORTANT INSTRUCTIONS FOR GLASS AND CERAMIC COOKTOPS

Do Not Clean or Operate a Broken Cooktop. If cooktop should break, cleaning solutions and spillovers may penetrate the broken cooktop and create a risk of electric shock. Contact a qualified technician immediately.

Clean cooktop glass with caution. If a wet sponge or cloth is used to wipe spills on a hot cooking area, be careful to avoid a steam burn. Some cleaners can produce harmful fumes if applied to a hot surface.

Avoid scratching the cooktop glass with sharp objects.

IMPORTANT INSTRUCTIONS FOR USING YOUR OVEN

Protective liners—Do not use aluminum foil, after-market oven liners, or any other materials or devices to line oven bottom, oven racks, or any other part of the appliance. Only use aluminum as recommended for baking, such as lining cookware or as a cover placed on food. Any other use of protective liners or aluminum foil may result in a risk of electric shock or fire or a short circuit.

Use care when opening oven door, lower oven door, or warmer drawer (some models). Stand to the side of the appliance when opening the door of a hot oven. Let hot air or steam escape before you remove or replace food in the oven.

Keep oven vent ducts unobstructed. Touching surfaces in this area when the oven is on may cause severe burns. Do not place plastic or heat-sensitive items on or near the oven vent. These items can melt or ignite.

Placement of oven racks - Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot, do not let potholder contact hot burner or element in oven. Use potholders and grasp the rack with both hands to reposition. Remove all cookware and utensils before moving the rack.

Do not use a broiler pan without its insert. Broiler pans and inserts allow dripping fat to drain away from the high heat of the broiler. Do not cover the broiler insert with aluminum foil; exposed fat and grease could ignite.

Do not cook food on the oven bottom. Always cook in proper cookware and always use the oven racks.

IMPORTANT INSTRUCTIONS FOR CLEANING YOUR APPLIANCE

⚠ CAUTION

Before manually cleaning any part of the appliance, be sure all controls are turned off and the appliance is cool. Cleaning a hot appliance can cause burns.

Clean the appliance regularly to keep all parts free of grease that could catch fire. Do not allow grease to accumulate. Greasy deposits in the fan could catch fire.

Always follow the manufacturer’s recommended directions for use of kitchen cleaners and aerosols. Be aware that excess residue from cleaners and aerosols may ignite causing damage and injury.

Clean ventilating hoods frequently - Grease should not be allowed to accumulate on hood or filter. Follow the manufacturer’s instructions for cleaning vent hoods.

Save these instructions for future reference.

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT INSTRUCTIONS FOR SERVICE AND MAINTENANCE

Do not repair or replace any part of the appliance unless specifically recommended in the manuals. All other servicing should be done only by a qualified technician. This reduces the risk of personal injury and damage to the appliance.

Always contact your dealer, distributor, service agent, or manufacturer about problems or conditions you do not understand.

Ask your dealer to recommend a qualified technician and an authorized repair service. Know how to disconnect the power to the appliance at the circuit breaker or fuse box in case of an emergency.

Remove the oven door from any unused oven if it is to be stored or discarded.

Do not touch a hot oven light bulb with a damp cloth. Doing so could cause the bulb to break. Handle halogen lights (if equipped) with paper towels or soft gloves. Disconnect the appliance or shut off the power to the appliance before removing and replacing the bulb.

Important Safety Notice - The California Safe Drinking Water and Toxic Enforcement Act requires the governor of California to publish a list of substances known to cause cancer, birth defects, or other reproductive harms, and requires businesses to warn customers of potential exposures to such substances.

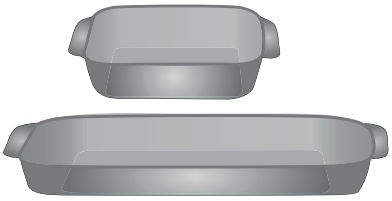
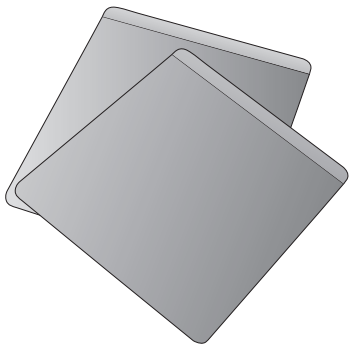
Important: This appliance has been tested and found to comply with the limits for a class B digital device, pursuant to Part 18 of the FCC rules (United States) and ICES-001 (Canada). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennae.
- Increase distance between unit and receiver.
- Connect the unit into an outlet or a circuit different from that to which the receiver is connected.

Save these instructions for future reference

Bakeware

The material of bakeware affects how evenly and quickly it transfers heat from the pan to the food.

Material	Attributes	Recommendation
Shiny metal bakeware 	Shiny, aluminum, and non-coated bakeware is the best for even heating. It is suitable for all baked goods.	Recommended cooking temperatures and times are based on shiny metal bakeware.
Dark metal bakeware 	Dark bakeware cooks hotter than shiny bakeware.	Reduce the cooking temperature by 25° F (13-14° C) when using dark bakeware.
Glass bakeware 	Glass bakeware cooks hotter than shiny bakeware. Glass is convenient, as the same piece of bakeware can be used for cooking, serving, and storing food.	Reduce the cooking temperature by 25° F (13-14° C) when using glass bakeware.
Insulated bakeware 	Insulated bakeware cooks cooler than shiny bakeware. Insulated bakeware is designed for baking in gas ovens.	Increase the cooking temperature by 25° F (13-14° C) when using insulated bakeware.

COOKING RECOMMENDATIONS

Cooking Conditions

Conditions in your kitchen can affect the performance of your appliance when cooking food.

Condition	Attributes	Recommendation
Aging cookware	As pans age and become discolored, cooking times may need to be reduced slightly.	If food is too dark or overcooked, use the minimum cook time in the recipe or packaging. If food is too light or undercooked, use the middle to maximum cook time in the recipe or packaging.
High altitude	Air is drier and air pressure is lower.	Adjust cooking temperature, cooking time, or recipes as needed.
	Water boils at a lower temperature, and liquids evaporate faster.	Increase amount of liquid in baking recipes. Increase cook time on cooktop. Cover dishes to reduce evaporation.
	Foods may take longer to bake.	Increase bake time or oven temperature.
	Doughs may rise faster.	Reduce amount of baking soda or baking powder in recipe. Reduce rising time or punch down dough and allow it to rise twice.

Cooking Results

Small adjustments may fix a problem with food not being as done as you like or more done than you like.

Result	Recommendation
Food too light	Use the middle to maximum cook time recommended on packaging or recipe.
Food too dark	Use the minimum cook time recommended on packaging or recipe.

Cooking Tips

Use these additional tips to get the best results from your appliance.

Cooking	Tips
	Baking
Rack placement	Follow the instructions in “Oven Control Features” on starting on page 20. When using only one rack, place the rack so the food is in the center of the oven.
Preheat	Fully preheat the oven before baking items like cookies, cakes, biscuits and breads. Insert food immediately after the beep.
Checking food	Use the window and oven light when checking food. Opening the door may reduce baking performance.
Food placement	Allow at least 2 inches (5 cm) of space between bakeware for proper air circulation.

COOKING RECOMMENDATIONS

Cooking	Tips
	Broiling / Roasting
Broiling pan	For best results when broiling, use a broil pan with a broil pan insert designed to drain the fat from the food, help avoid spatter, and reduce smoking. The broiler pan will catch grease spills, and the insert helps prevent grease splatters. If a broiler pan and insert are not supplied with this appliance, they may be purchased from Frigidaire.com.

BEFORE SETTING SURFACE CONTROLS

What is Electromagnetic Induction?

An induction cooking zone uses an electromagnet to induce heat in iron or steel cookware.

Below each cooking zone on an induction cooktop, there is a copper coil. When the cooking zone is turned on, the electricity turns the coil into a type of magnet that heats metal cookware on the cooktop.

Induction Features

Because heat starts in the cookware instead of the cooktop, induction offers several advantages.

Fast Heating: Cookware will heat up faster than on a conventional electric cooktop. Pay close attention to avoid scorching food when starting to cook. You may need to use a lower setting for cooking food than you are used to.

Precise Control: The heat going into the cookware will change immediately when you change the setting of the cooking zone.

Even Heating: Cookware will typically heat more evenly on an induction cooktop, so you are less likely to have hot or cool spots in the cookware.

Cooler Cooktop: An induction cooktop will be cooler when you remove the cookware than a conventional electric cooktop would be. Because the cooktop doesn't get as hot, you are not as likely to get burned. Spills are also less likely to burn onto the surface, making clean-up easier.

Energy Efficiency: Induction cooking wastes less energy than a conventional cooktop, so it uses less electricity.

Preparation

Before using your cooktop for the first time, apply a ceramic cooktop cleaning cream (available in most hardware, grocery, and department stores) to the ceramic surface. Clean and buff with a clean paper towel. Cooktop cleaning creams leave a protective finish on the glass that will make cleaning easier when the cooktop is soiled from cooking and help prevent scratches and abrasions.

⚠ CAUTION

Although induction cooking zones do not produce heat, **they can become hot from contact with hot cookware**. Burns may occur if a cooking zone or the surrounding area is touched before it has cooled to a safe temperature.

Sounds

The magnetic field over the induction cooking zone may cause cookware to vibrate, creating a buzzing or humming noise. These sounds are not unusual, especially at high settings.

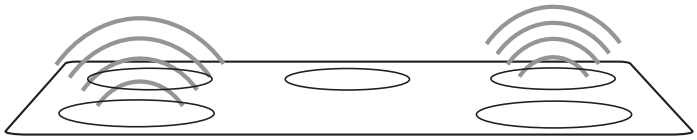
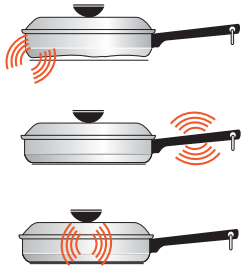


Figure 1: Induction noise

- Cookware that is not perfectly flat on the bottom may vibrate slightly against the cooktop.
- A loose handle may vibrate in its socket.
- Multi-material cookware may allow small vibrations in its structure.



Sounds are less likely to occur with heavier, higher quality cookware.

An induction cooktop may also produce faint clicking sounds from the electronic switches that maintain the desired cooking temperature.

NOTE

Be sure to read detailed instructions for induction cooktop cleaning in the "Care and Cleaning" section and "Before You Call" checklist section of this *Use and Care Guide*.

Using Proper Cookware

The size and type of cookware used will influence the heat setting needed for best cooking results. Be sure to follow the recommendations for using proper cookware as illustrated in Figure 2 and Figure 3.

Check for flatness by rotating a ruler across the bottom of the cookware (see Figure 2). Cookware should have flat bottoms that make good contact with the entire surface of the cooking zone (see Figure 7 on page 14).

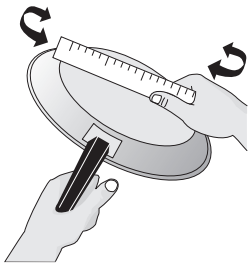


Figure 2: Ruler test

Cookware Selection

Cookware selection is especially important when using an induction cooktop. The cookware must contain magnetic iron or steel to work on an induction cooktop. Common materials for induction cookware include the following:

- **Stainless Steel** - Slow heat conductor with uneven cooking results. Durable, easy to clean, and resists staining. Some types of stainless steel will not work on an induction cooktop. Use the magnet test (Figure 3) to check stainless steel cookware.
- **Cast Iron** - A slow heat conductor that retains heat very well. Cooks evenly once cooking temperature is reached.
- **Porcelain-enamel on metal** - Heating characteristics will vary depending on base material. Porcelain-enamel on a magnetic metal will work on an induction cooktop. Use the magnet test (Figure 3) to check porcelain-enamel cookware.

The Magnet Test

To see if a piece of cookware will work on your induction cooktop, try to stick a magnet to it (see Figure 3).

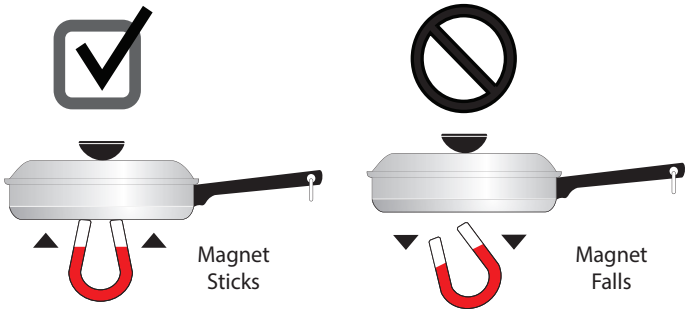


Figure 3: Magnet test

If the magnet clings firmly to the bottom of the cookware, it will work on your induction cooktop. If the magnet clings weakly or not at all, the cookware will not heat up on your induction cooktop.

Induction-ready cookware will often have a symbol printed on the bottom by the manufacturer.



Figure 4: Induction symbol

⚠ CAUTION

Proper cookware on an operating induction cooking zone will heat up very quickly. If an empty piece of cookware is left on an operating induction cooking zone, the rapid change in temperature may warp or damage the cookware.

BEFORE SETTING SURFACE CONTROLS

Pan Sensing

Sensors beneath the cooktop surface require that certain cookware conditions be met before an induction cooking zone will operate. If a cooking zone is turned on and no cookware is detected, the zone display showing the power setting will flash (Figure 5).



Figure 5: Flashing error message

The conditions that generate a flashing message are illustrated in Figure 7. If the situation is not corrected, the cooking zone will automatically turn off after three minutes. It's a good idea to lower the power setting before correcting the pan sensing message.

Minimum and Maximum Pan Size

The cooktop graphics are guides to minimum and maximum pan size for each cooking zone.

Induction cooking zones require a minimum pan size in order to activate. The inner ring on each cooking zone indicates the smallest pan size (Figure 6). If a suitable piece of cookware is centered properly but is too small, the display will flash and the pan will not heat. Select a larger pan or use a different cooking zone.

The outer ring on the cooktop graphic indicates the recommended maximum pan size for that zone (Figure 6). Do not use pans with bottoms that extend beyond the outer circle for a cooking zone. The cookware must make full contact with the ceramic glass surface. Cookware should not rest on or touch the metal edges of the cooktop.

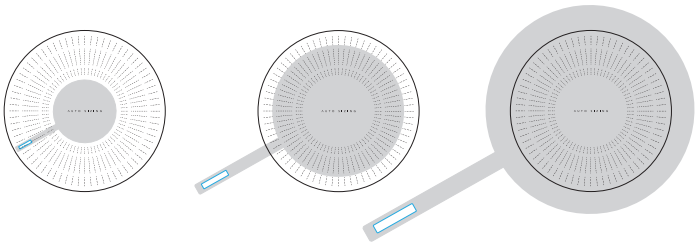


Figure 6: Pan size too small (L); Pan size correct (C); Pan size too large (R)

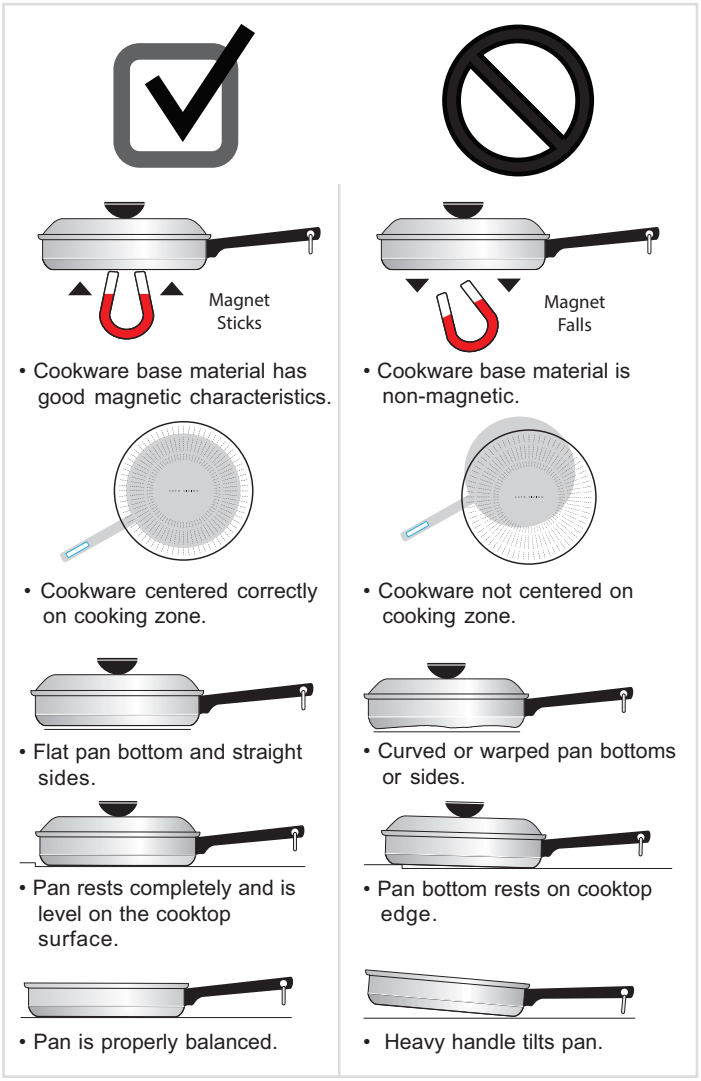


Figure 7: Pan sensing conditions

Induction Cooking

When turned on, an induction cooking zone will not get hot. The induction cooking zone creates heat in the cookware, not in the cooktop. Heat is not created unless there is an iron or steel object on the cooking zone.

Cookzone Setting Display

The Setting Display will show the setting for the cook zone.

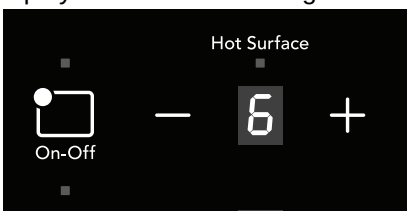


Figure 8: Setting displays (left)

If there is no cookware in the cook zone, the setting indicator will blink, and the magnet will not turn on.

Hot Surface Indicator

The Hot Surface indicator light will turn on when heat is detected in the cooktop and will remain on until the surface has cooled to a safe temperature.



Figure 9: Hot surface indicator light

⚠ CAUTION

- Although induction cooking zones do not directly generate heat, **they can become hot from contact with hot cookware**. Burns may occur if a cooking zone or the surrounding area is touched before it has cooled to a safe temperature.
- **Do not** place flammable items such as plastic salt and pepper shakers, spoon holders, or plastic wrapping on top of the range when it is in use. Heat radiating from cookware could cause these items to melt or ignite. Potholders, towels, or wooden spoons could catch fire if placed too close to hot cookware.
- **Do not** use aluminum foil to line any part of the cooktop. Improper installation of these liners may result in risk of electric shock or fire. If these items melt on the cooktop, they will damage the cooktop.

IMPORTANT

- Do not leave empty cookware on an operating cooking zone. Cookware will heat very quickly and may be damaged or warped if left on the cooking zone empty.
- NEVER place or straddle a cooking utensil over two different surface cooking areas at the same time. Incorrect use may damage the cooktop.

SETTING SURFACE CONTROLS

Cooktop Display Windows

The range backguard provides a digital window for each of the cooking zones located on the cooktop. Power levels and messages are easily monitored and controlled using the window displays in combination with the corresponding controls.

Available Power Level Settings

The cooktop control will display power levels ranging from P (Figure 10), Hi (Figure 13) to Lo (Figure 11). The settings between 9 (Figure 14) and 2(Figure 15) decrease and increase in 1.0 increments. The lowest setting (Figure 11) will display just below the lowest digital setting of 2.

Power Boost Power Level (P)

When setting an induction cooking zone for the highest setting (to the POWER BOOST position), the display will initially show **P** (Power Boost) power level for up to 10 minutes. After 10 minutes, the cooking zone will automatically return to the Hi setting (Figure 15). The P setting is only available immediately after activating a cooking zone**.**

ESEC Error Indicator Message (E)

An error message will be displayed (flashing E) (Figure 12) at power up (or after a power failure) if any of the surface settings were left in the ON positions. If a power failure should occur, set all of the four surface controls to the OFF position. This will reset the surface controls.

Be sure to reset the clock. Once the surface controls have been set to the OFF positions and the clock has been set with the correct time of day, the surface controls should return to normal operation. If the surface controls do not function and the F message remains in any display after following these procedures, contact an authorized servicer for assistance.

Lockout Window Message (-)

The (-) message will appear whenever the Lockout or Self-clean feature is active (Figure 16). Refer to the “Setting Oven Lockout” heading on page 21 for more details.



Figure 10: Power Boost



Figure 13: High setting



Figure 11: Low setting



Figure 14: Increment setting



Figure 12: Error message



Figure 15: Increment setting



Figure 16: Cooktop lockout

NOTE

- The Power Boost (P) setting is only available immediately after activating a cooking zone by pressing the + key. The cooktop will remain in Power Boost for up to 10 minutes. After 10 minutes, the cooking zone will automatically change to the High (H) setting.
- The size and type of utensil used and the amount and type of food being cooked will influence the setting needed for best cooking results.
- The Hot Surface indicator light will turn on when heat is detected in a cook zone. The light will remain on until the heated surface area has cooled sufficiently.

Induction surface cooking zones

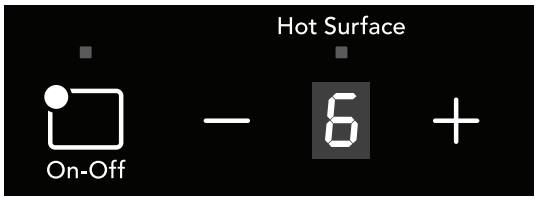


Figure 17: Induction cooking zone control

To operate an induction cooking zone:

1. Place correctly sized cookware on the cooking zone.
2. Press the **On-Off** key for the cooking zone.
3. Press the **+** or **-** key for the cooking zone (Figure 17) until you reach the desired setting (refer to the suggested cooking zone settings in table below.
4. When cooking is complete, turn the induction cooking zone OFF before removing the cookware.

The cooktop has a sensor to detect cookware in the cooking zone. The cooking zone will not become active without proper cookware in position. See “Cooktop Display Windows” on page 16.

Frigidaire Induction Recommendations

	Temp Range	Power Level	Description
Keep Warm 145°-160°F	Low	Low	Keep foods warm
Simmer 185 - 200°F	Medium Low	2-4	Start most foods, maintain water at a boil, pan frying, searing
	Medium	5-6	Continue cooking, poach, stew
	Medium High	7-8	Continue a rapid boil, fry, or deep fry
	High	9	Start most foods, maintain water at a boil, pan frying, searing Continue cooking, poach, stew
	Power Boost	P	Start heating pans that contain large amounts of food or to bring pots of water to boil

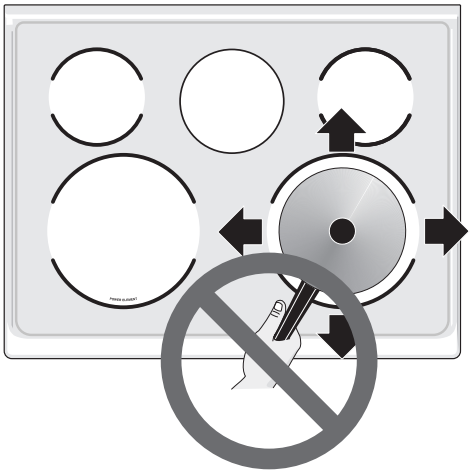
IMPORTANT

Do not leave empty cookware on an operating cooking zone. Cookware will heat very quickly and may be damaged or warped if left on the cooking zone empty.

SETTING SURFACE CONTROLS

Moving Cookware on a Smooth Cooktop

Always lift cookware before moving on the ceramic glass smoothtop. Cookware that has a rough or dirty bottom can mark and scratch the ceramic glass surface. Always start with clean cookware.



Pan Preheat Recommendations

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

Remember that induction surface cooking will initially heat the cookware very quickly.

- The Hot Surface indicator light will turn on when heat is detected in a cooking zone and will remain on until the cooktop surface has cooled sufficiently.

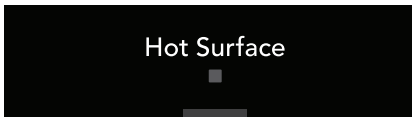


Figure 18: Hot Surface Indicator Light

- If cookware is moved away from the center of an active cooking zone, the cooking zone will become inactive. The setting display will flash until proper cookware is placed in the center of the cooking zone. When cookware is centered on the cooking zone, the zone will resume heating. If the cooking zone has no cookware for three minutes, it will automatically shut off.

Home Canning

Be sure to read and observe all the following points when home canning with your appliance. Check with the USDA (United States Department of Agriculture) Web site and be sure to read all the information they have available as well as follow their recommendations for home canning procedures.

- Use only a completely flat bottom canner with no ridges that radiate from the bottom center when home canning. Heat is spread more evenly when the bottom surface is flat. Use a straight-edge to check the canner bottom.
- Make sure the diameter of the canner does not exceed 1 inch beyond the cooking zone markings or burner.
- It is recommended to use smaller diameter canners on electric coil and ceramic glass cooktops and to center canners on the burner grates.
- Start with hot tap water to bring water to boil more quickly.
- Use the highest heat seating when first bringing the water to a boil. Once boiling is achieved, reduce heat to lowest possible setting to maintain that boil.
- Use tested recipes and follow instructions carefully. Check with your local Cooperative Agricultural Extension Service or a manufacturer of glass jars for the latest canning information.
- It is best to can small amounts and light loads.
- Do not leave water bath or pressure canners on high heat for an extended amount of time.

Oven Vent Location

The oven is vented as shown below. When the oven is on, warm air is released through the vent. This venting is necessary for proper air circulation in the oven and good baking results. Do not block oven vent. Never close off the openings with aluminium foil or any other material. Steam or moisture may appear near the oven vent. This is normal.

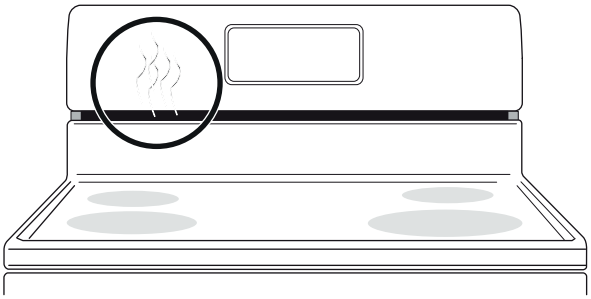


Figure 19: Oven vent

⚠ WARNING

Protective Liners — **Do not** use aluminum foil or any other material or liners to line the oven bottom, walls, racks or any other part of the range. Doing so will alter the heat distribution, produce poor baking results, and possibly cause permanent damage to the oven interior. Improper installation of these liners may result in risk of electric shock or fire. During self clean, temperatures in the oven will be hot enough to melt foil.

⚠ CAUTION

- Always use pot holders or oven mitts when using the oven. When cooking, the oven interior, oven exterior, oven racks, and cooktop will become very hot which can cause burns.
- Remove all oven racks before starting a self clean cycle. If oven racks are left inside the oven during a cleaning cycle, the slide ability of the oven racks may be damaged and all of the oven racks will lose their shiny finish.
- To prevent possible damage to the oven, do not attempt to close the oven door until all the oven racks are fully positioned back inside the oven cavity.

Types of oven racks

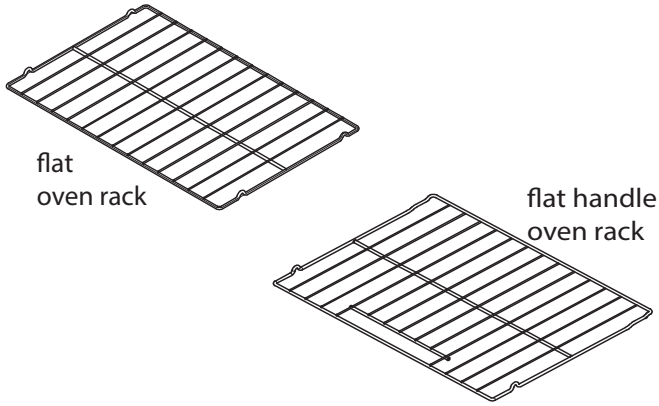


Figure 20: Oven rack types

- **Flat oven racks** may be used for most cooking needs and may be placed in most oven rack positions.

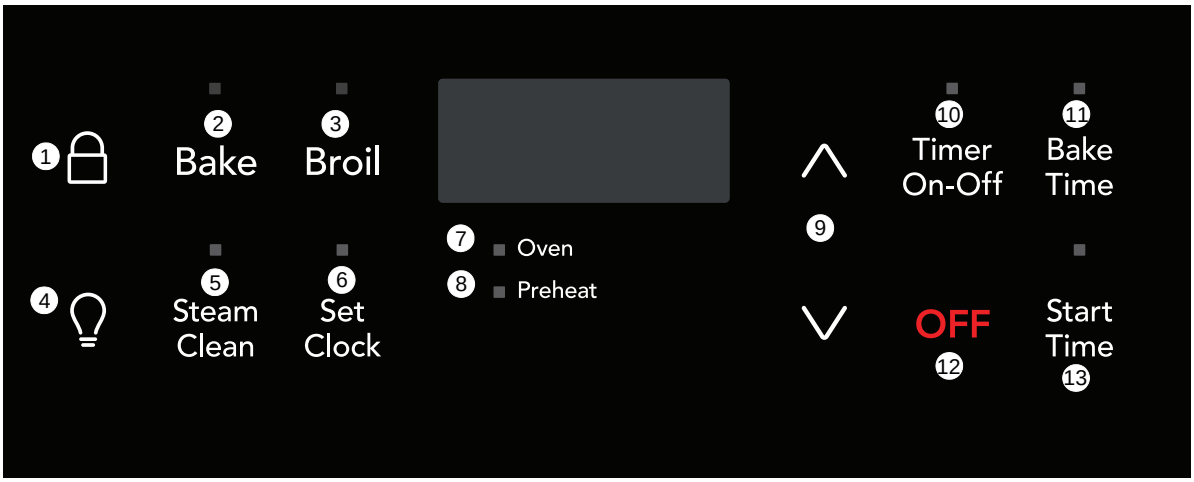
Removing, replacing, and arranging flat or offset oven racks

Always arrange the oven racks when the oven is cool.

To remove - Pull the oven rack straight forward until it reaches the stop position. Lift up front of oven rack slightly and slide out.

To replace - Place the oven rack on the rack guides on both sides of oven walls. Tilt the front of oven rack upward slightly and slide the oven rack back into place. Be sure oven racks are level before using.

SETTING OVEN CONTROLS



Oven Control Features

1. **Control Lock -** Use to lock oven and cooktop controls.
2. **Bake** - Use to select bake feature.
3. **Broil** - Use to set Broil feature.
4. **Oven Light** - Use to turn on internal light when checking on food. Turns on when the oven door is open.
5. **Steam Clean** - Use to set a steam clean cycle of 30 minutes for light cleaning.
6. **Set Clock** - Use with arrow keys to set the time of day.
7. **Oven on indicator light** - The oven light will glow each time the oven turns on to maintain the set oven temperature.
8. **Preheat light** - The preheat light will glow when the oven is preheating or if the desired temperature is reset higher than the actual oven temperature.
9. **Up and Down arrows** - Use with the feature or function keys to set oven temperature, bake time, start time, clean time, and setting or adjusting the clock and minute timer.
10. **Timer on-off** - Use to set or cancel the minute timer. The minute timer does not start or stop any cooking function. Timer on-off is used to set the continuous bake function.
11. **Bake Time** - Enters the length of baking time desired.
12. **OFF** - Use to clear any feature except the time of day and minute timer.
13. **Start Time** - Use to delay the start of cooking.

Feature	Mode	Min Temp/Time	Max Temp/Time
Bake		170°F (77°C)	550°F (287°C)
Broil		LO 400°F (205°C)	HI 550°F (287°C)
Timer	12 Hr.	0:01 Min.	11:59 Hr./Min.
Clock Time	12 Hr.	1:00 Hr./Min.	12:59 Hr./Min.
Bake Time	12 Hr.	0:01 Min	5:59 Hr./Min.
Steam Clean		30 mins	

Note: An entry acceptance tone (1beep) will sound each time a key is touched (the oven lock key is delayed 3 seconds). An entry error tone (3 short beeps) will sound if the entry of the temperature or time is below the minimum or above the maximum settings for the feature.

Setting the Clock

When the appliance is first plugged in or when the power supply to the appliance has been interrupted, the display will flash **12:00**. It is recommended to always set the clock for the correct time of day before using the appliance.

To set the clock:

1. Press **Set Clock** once (do not hold clock key down).
2. Within 5 seconds, press and hold ^ or v until the correct time of day appears in the display.

NOTE

The clock cannot be changed when the oven is set for cooking or self clean is active.

Temperature display (Fahrenheit/Celsius)

The electronic oven control is set to operate in Fahrenheit (°F) at the factory. The oven may be programmed for any temperature from 170°F to 550°F (77°C to 287°C).

To change the temperature to Celsius (°C) or from °C to °F:

1. Press **Broil**. **— —** appears in the display.
2. Press and hold ^ until **HI** appears in the display.
3. Press and hold **Broil** until **°F** or **°C** appears in the display.
4. Press ^ or v to change °F to °C or °C to °F. To accept the change, wait 6 seconds.

Continuous bake setting or 12-hour energy saving feature

The oven control has a built-in 12-hour energy saving feature that will shut off the oven if the oven is left on for more than 12 hours. The oven control can be programmed to override this feature for continuous baking.

To change the continuous bake setting:

1. Press and hold **Timer on-off** for 6 seconds until a tone sounds. **— — hr** will appear in the display for continuous cooking. The current time of day will return to the display.
2. To cancel the continuous bake setting, press **Timer on-off** and hold for 6 seconds until a tone sounds. **12 hr** will appear in display indicating that the control has returned to the 12-hour energy saving feature.

NOTE

Changing to continuous bake or 12 hour mode does not change how the cooktop controls operate.

Setting a silent control panel

When selecting a function, an audible tone is heard each time a key is pressed. If desired, the control can be programmed for silent operation.

To set the controls for silent operation:

1. Press and hold **Start Time** for 6 seconds. The control will beep once and release the key.
2. The controls are now set for silent operation.

To return to non-silent operation:

1. Press and hold **Start Time** again for 6 seconds until the control beeps once and release the key.
2. The control is now set for audible operation.

SETTING OVEN CONTROLS

Setting the control lockout

The control can be programmed to lockout the oven and cooktop controls.

To set the control lockout feature:

1. Press the lock icon and hold for 3 seconds. **Loc** will appear in the display for a few seconds before showing the time of day (clock).
2. The controls are inactive when **-** (dashes) appear in the display windows.
3. If any control key is pressed when the controls are locked, **Loc** will appear in the oven control display.
4. To cancel the control lockout feature, press **the lock icon** and hold for 3 seconds.
5. The controls will unlock, the dashes will disappear, and the oven will be ready to resume normal operation. .

NOTE

If any control key is pressed with the oven lockout feature active, **Loc** will appear in the display until the control key is released. But it does not disable the clock, kitchen timer, or the interior oven lights.

Operating oven light

The interior oven light will automatically turn on when the oven door is opened. Press the oven light key located on the control panel to turn the interior oven light on and off whenever the oven door is closed. For best baking results, do not leave oven light on while baking.

The interior oven light is located at the upper left rear wall of the oven interior. To change the interior oven light, see “Changing the oven light” in the **Care & cleaning** section.

Setting the minute timer

1. Press **Timer on-off**.
2. Press ^ to increase time in one-minute increments. Press and hold ^ to increase time in 10-minute increments. The timer can be set for any amount of time from 1 minute to 11 hours and 59 minutes.
3. When the set time ends, the timer will beep three times and will continue to beep three times every minute until **Timer on-off** is pressed.

NOTE

The minute timer will not start or stop the cooking process. The minute timer can be used alone or while using any of the other oven features. If another feature is active when the minute timer is active, the minute timer will show in the display. To view information about other active features, press the key for that feature.

To change the timer while it is in use:

While the timer is active and shows in the display, press and hold ^ or v to increase or decrease the time remaining.

To cancel the minute timer before the set time has run out:

- Press **Timer on-off** once.

Setting Bake

The oven can be programmed to bake at any temperature from 170°F to 550°F (77°C to 287°C). The factory preset automatic bake temperature is 350°F (177°C).

The oven indicator light will turn on when first set to bake while the oven is heating. When the set temperature is reached the oven control will beep once indicating the oven is fully preheated and time to place food in the oven. The indicator light will cycle on and off as the oven maintains the set temperature.

Baking Tips

For best bake results:

- Fully preheat the oven before baking items like cookies, cakes, biscuits and breads.
- When baking items like cookies, cakes, biscuits, and breads using a single rack place rack in position 4.
- When using any single rack for items like frozen pies, angel food cake, breads, and casseroles, use rack position 3.
- For best results when baking cakes using two oven racks, place racks in positions 3 and 6 (See Figure 22).
- When baking using two oven racks, position cookware as shown in Figure 21. Allow at least 2 inches (5 cm) of space between cookware for proper air circulation.

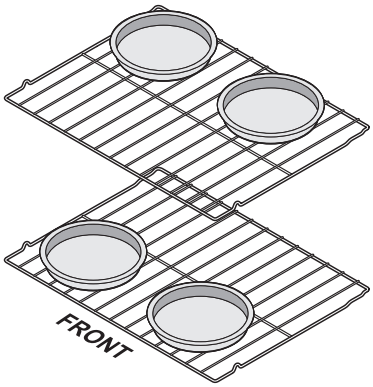


Figure 21: Pan positions two rack baking

To set Bake:

1. Press **Bake**. **— — —** appears in the display.
2. Within 5 seconds, press ⌄ or ⌃. The display will show **350°F** (177°C). The temperature can then be adjusted in 5°F (1°C) increments.
3. When a key is released, the oven will begin heating to the selected temperature. When the oven reaches the set temperature, the preheat indicator light will turn off and the control will beep three times.
4. To cancel the baking function, press **OFF**.

To change oven temperature after bake has started:

1. Press **Bake**.
2. Press ⌃ or ⌄ to increase or decrease to a new temperature. The oven indicator light on the electronic display will turn on and off when using the bake feature and during preheat. This is normal and indicates that the oven is cycling to maintain the selected baking temperature. To cancel baking press **OFF.**

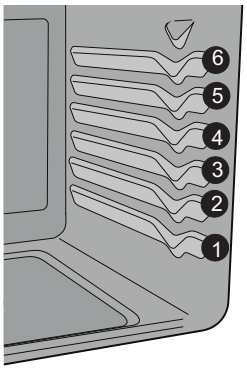


Figure 22: Rack positions

SETTING OVEN CONTROLS

Setting Bake Time

The **Bake Time** key sets the amount of time needed for baking. The oven will turn on immediately and stop automatically after the set bake time ends.

To program the oven to begin baking immediately and to shut off automatically (timed bake):

1. Be sure the clock is set to the correct time of day.
2. Place the food in the oven.
3. Press **Bake**. **— — — °** appears in the display.
4. Within 5 seconds, press ^ or v. The display will show **350°F** (**177°C**). The temperature can then be adjusted in 5°F (1°C) increments,
5. Press **Bake Time**.**0**:**00** will appear in the display.
6. Press ^ or v until the desired baking time appears in the display.
7. The oven will turn on and begin heating.

When the set bake time runs out:

1. **End** will appear in the display, and the oven will shut off automatically.
2. The control will beep three times every 60 seconds as a reminder until **OFF** is pressed.

IMPORTANT

Bake Time will not operate when using the broil feature.

Once the controls are set, the oven will come on and begin heating to the selected baking temperature. The oven temperature (or time of day) will show in the display.

Setting Start Time (delayed start)

Use the **Start Time** key to delay the starting time (delayed timed bake). The oven will turn on at a later time and stop automatically after the set bake time ends.

To program oven for a delayed start time and to shut-off automatically:

WARNING

Food Poisoning Hazard. Do not let food sit for more than one hour before or after cooking. Doing so can result in food poisoning or sickness.

1. Be sure that the clock displays the correct time of day.
2. Place food in the oven.
3. Press **Bake. — — — °** appears in the display. Within 5 seconds, press ^ or v. The display will show **350°F** (**177°C**). The temperature can then be adjusted in 5°F (1°C) increments.
4. Press **Bake Time**. **0:00** will appear in the display.
5. Press ^ or v until desired baking time appears.
6. Press **Start Time**. The time of day will appear in the display.
7. Press ^ or v until the desired start time appears in the display.
8. Once the controls are set, the control calculates the time when baking will stop. The oven will turn on at the delayed start time and begin heating.

To change the oven temperature (or bake time) after baking has started:

1. Press the function you want to change.
2. Press ^ or v to adjust the setting.

NOTE

During a delayed timed bake, the preheat indicator light will not function until the set time to start cooking is reached.

Setting Broil

Broiling is direct heat cooking and will produce some smoke. If smoke is excessive, place food further away from the element. Watch food to prevent burning.

When broiling, always remember to arrange the oven racks while oven is still cool. Position the rack as suggested in Table 1.

WARNING

Should an oven fire occur, close the oven door and turn the oven off. If the fire continues, use a fire extinguisher. Do not put water or flour on the fire. Flour may be explosive.

CAUTION

Always use oven mitts. Oven racks will become very hot which can cause burns.

NOTE

Always pull the oven rack out to the stop position before turning or removing food.

The broiler pan and the insert (some models) allow grease to drain and be kept away from the high heat of the broiler. Do not use the pan without the insert. Do not cover the insert with aluminum foil; the exposed grease could ignite. To purchase a broiling pan and insert, visit frigidaire.com

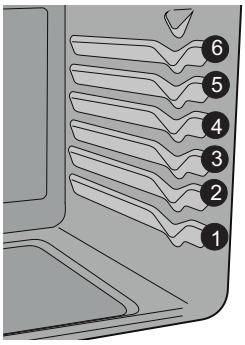


Figure 23: Rack positions

To set Broil

1. Arrange the oven rack while oven is still cool.
2. Press **Broil**. **— —** will appear in display.
3. Press ^ for **HI** broil or v for **LO** broil. Most foods may be broiled at the HI broil setting. Select the LO broil setting to avoid excess browning or drying of foods that should be cooked to the well-done stage.
4. For optimum results, preheat broil for 2-to-5 minutes before adding food.
5. Place the insert on the broil pan (if equipped), then place the food on the broil pan insert (if using a broiler pan and insert).
6. Place the broiler pan and insert on the oven rack. Broil with the oven door open to broil stop position (Figure 24).
7. Broil on one side until food is browned. Turn and broil food on other side.
8. When broiling is finished press **OFF**.

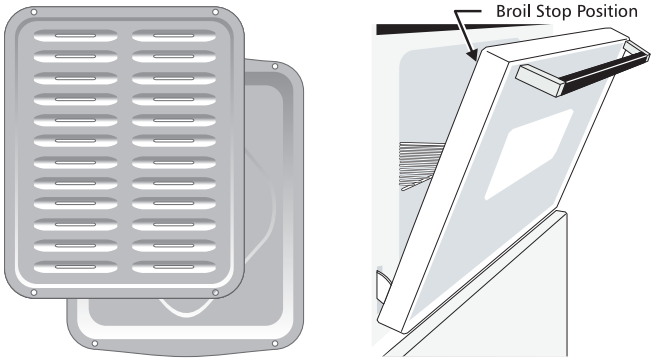


Figure 24: Broil pan and insert (L) Door in position when broiling (R).

Table 1: Broil recommendations

Food item	Rack Position	Temp	Cook time in minutes 1st side	2nd side	Internal Temperature	Doneness
Steak 1” thick	5 or 6	HI(550°F)	6:00	5:00	135°F (57°C)	Rare**
Steak 1” thick	5or 6	HI(550°F)	7:00	5:00	145ºF (63ºC)	Medium-well
Steak 1” thick	5 or 6	HI(550°F)	8:00	7:00	170°F (77ºC)	Well
Pork Chops 3/4 “thick	5	HI(550°F)	8:00	6:00	170°F (77ºC)	Well
Chicken - Bone In	4	LO(400°F)	20:00	10:00	170°F (77ºC)	Well
Chicken Boneless	5	LO(400°F)	8:00	6:00	170°F (77ºC)	Well
Fish	5	HI(550°F)	13:00	--	170°F (77ºC)	Well
Shrimp	4	HI(550°F)	5:00	--	170°F (77ºC)	Well
Hamburger 1” thick	6	HI(550°F)	6:00	5:00	135°F (57°C)	Rare**
Hamburger 1” thick	6	HI(550°F)	9:00	7:00	145ºF (63ºC)	Medium
Hamburger 1” thick	5	HI(550°F)	10:00	8:00	170°F (77ºC)	Well

The U.S. Department of Agriculture states, **Rare fresh beef is popular, but you should know that cooking it to only 140°F (60°C) means some food poisoning organisms may survive.” (Source: Safe Food Book, Your Kitchen Guide, USDA Rev. June 1985.) The lowest temperature recommended by the USDA is 145°F (63°C) for medium rare fresh beef. For well done 170°F (77ºC). All cook times shown are after 2 minutes of preheating.

Steam Clean

The Steam Clean feature offers a chemical free and time saving method to assist in the routine cleaning of small and light soils.

⚠ CAUTION

- Do not add bleach, ammonia, oven cleaner, or any other abrasive household cleaners to the water used for Steam Clean.
- Before cleaning any part of the oven, be sure all controls are turned off and the oven is cool. The oven may be hot and can cause burns.

Be sure the oven is level and cool before starting Steam Clean. If the oven temperature is above room temperature a triple beep will be heard and the function will not start. Steam Clean produces best results when started with a cool oven.

To set a Steam Clean cycle:

1. Remove all racks and oven accessories.
2. Scrape or wipe loose debris and grease from the oven bottom.
3. Pour 2 cups of tap water onto the oven bottom. (Figure 25) Close oven door.

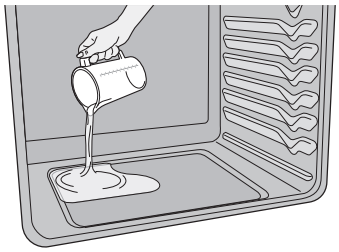


Figure 25: Add 2 cups of tap water

4. Press **steam clean.**
5. Press either the **up arrow** or **down arrow** to activate. **St Cn** will appear in the display.
6. The oven will start automatically and the display will show the time remaining in the Steam Clean cycle. Do not open the door during this time. If door is open while in steam clean (d-O) will appear in the display.
7. When the steam clean cycle is complete an alert will sound and the END message will show in the display. Press **OFF** to return to the clock. Press **OFF** at any time to cancel the Steam Clean.
8. Take care opening the door when the steam clean is finished. Stand to the side of the oven out of the way of escaping vapor.
9. Wipe oven cavity and bottom. Do not clean oven door gasket (Figure 26). Avoid leaning or resting on the oven door glass while cleaning cavity.

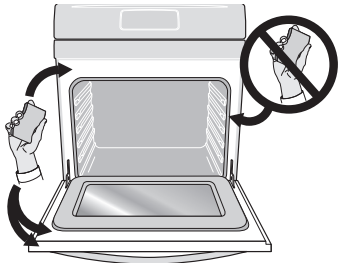


Figure 26: Clean around the oven door gasket

Notes:

- Opening the oven door during the steam clean cycle prevents the water from reaching the temperature needed to clean.
- For best results, clean oven immediately after the cycle is complete. Steam clean works best for soils on the oven bottom.
- A non-abrasive scouring pad, stainless steel sponge, plastic scraper, or eraser style cleaning pad (without cleaner) can be used for difficult soils. Moisten pads with water before use.
- Place a paper towel or cloth in front of the oven to capture any water that may spill while wiping out.
- Do not leave the residual water in the oven for any length of time.
- Some condensation or water vapor may appear close to the oven vent and the oven door glass. This is normal. The oven gasket may become damp; do not wipe dry.
- Local water sources often contain minerals (hard water). If hard water deposits occur, wipe cavity with a 50/50 solution of water and vinegar or 50/50 solution of lemon juice and water.
- Steam clean cannot be programmed with a delayed start time.

SETTING OVEN CONTROLS

Adjusting the oven temperature

Your appliance has been factory calibrated and tested to ensure an accurate baking temperature. For the first few uses, follow your recipe times and temperature recommendations carefully. If you think the oven is cooking too hot or too cool for your recipe times, you can adjust the control so the oven cooks hotter or cooler than the temperature displayed.

Do not use oven thermometers such as those found in grocery stores to check the temperature settings inside your oven. These oven thermometers may vary as much as 20 to 40 degrees from actual temperatures.

Oven temperature adjustments made will not affect the broil or self cleaning feature temperatures.

If the display is set for Celsius, adjustments made will be in 1°C increments with each press of arrow keys.

To adjust oven temperature:

1. Press **Bake.**
2. Set the temperature to 550°F (287°C) by pressing and holding ^.
3. Within 3 seconds, press and hold **Bake** until numeric digit(s) appear. Release **Bake** key. The display now indicates the amount of degrees offset between the original factory temperature setting and the current temperature setting. If the oven control has the original factory calibration, the display will read **00**.
4. The temperature can now be adjusted up or down 35°F (19°C), in 5°F increments. Press and hold ^ to adjust the temperature higher until the desired amount of offset appears in the display. When lowering the oven temperature using v, a minus sign (-) will appear before the number to indicate that the oven will be cooler by the displayed amount of degrees.
5. When you have made the desired adjustment, press **OFF** to go back to the time of day display.

Remove spills and any heavy soiling as soon as possible. Regular cleaning will reduce the difficulty of major cleaning later.

⚠ CAUTION

- Before cleaning any part of the appliance, be sure all controls are turned off and the appliance is cool.
- If ammonia or appliance cleaners are used, they must be removed and the appliance must be thoroughly rinsed before operating. Follow manufacturer's instructions and provide adequate ventilation.
- Ammonia must be rinsed before operating the oven. Provide adequate ventilation

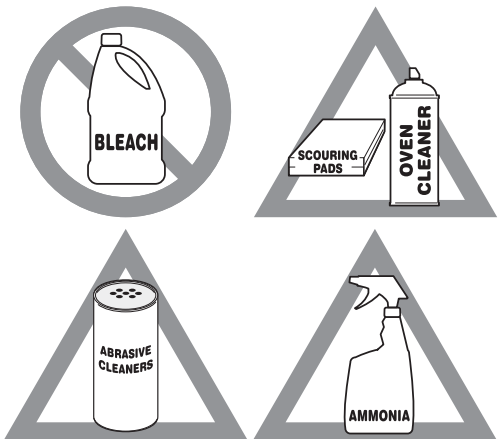


Figure 27: Use cleaners with caution

Surface or Area	Cleaning Recommendation
Aluminum and vinyl	Using a soft cloth, clean with mild dish detergent and water. Rinse with clean water, dry and polish with a soft, clean cloth.
Painted and plastic controls Painted body parts Painted decorative trims	Using a soft cloth, clean with mild dish detergent and water or a 50/50 solution of vinegar and water. Rinse with clean water, dry and polish with a soft, clean cloth. Glass cleaners may be used, but do not apply directly to surface; spray onto cloth and wipe.
Control panel	Using a soft cloth, clean with mild dish detergent and water or a 50/50 solution of vinegar and water. Do not spray liquids directly on the oven control and display area. Do not use large amounts of water on the control panel - excess water on the control area may cause damage to the appliance. Do not use other liquid cleaners, abrasive cleaners, scouring pads, or paper towels - they will damage the finish.
Stainless Steel	Using a soft cloth, clean with mild dish detergent and water or a 50/50 solution of vinegar and water. Rinse with clean water, dry with a soft clean cloth. Do not use cleaners containing abrasives, chlorides, chlorine, or ammonia.
Smudge Proof™ Stainless Steel Black Stainless Steel	Using a soft cloth, clean with mild dish detergent and water or a 50/50 solution of vinegar and water. Rinse with clean water, dry with a soft clean cloth. Do not use appliance cleaner, stainless steel cleaner, or cleaner containing abrasives, chlorides, chlorine, or ammonia. These cleaners may damage the finish.
Porcelain-enameled broiler pan and insert Porcelain door liner Porcelain body parts	Rinse with clean water and a damp cloth. Scrub gently with a soapy, non-abrasive scouring pad to remove most spots. Rinse with a 50/50 solution of clean water and ammonia. If necessary, cover difficult spots with an ammonia-soaked paper towel for 30 to 40 minutes. Rinse and wipe dry with a clean cloth. Remove all cleaners or future heating could damage the porcelain. Do not allow food spills with a high sugar or acid content (milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on porcelain surfaces. These spills may cause a dull spot even after cleaning.

CARE AND CLEANING

Oven door	Use mild dish detergent and water or a 50/50 solution of vinegar and water to clean the top, sides, and front of the oven door. Rinse well. Glass cleaner may be used on the outside glass of the door. Ceramic smoothtop cleaner or polish may be used on the interior door glass. Do not immerse the door in water. Do not spray or allow water or cleaners to enter the door vents. Do not use oven cleaners, cleaning powders, or any harsh abrasive cleaning materials on the outside of the oven door. Do not clean the oven door gasket. The oven door gasket is made of a woven material which is essential for a good seal. Do not rub, damage, or remove this gasket.
Manual clean oven interior	The oven interior is porcelain coated and safe to clean using oven cleaners. Always follow manufacturer's instructions for cleaners. After cleaning, remove any oven cleaner or the porcelain may become damaged during future heating. Do not spray oven cleaner on any electrical controls or switches. Do not spray or allow oven cleaner to build up on the oven temperature sensing bulb. Do not spray cleaner on oven door trim, door gasket, plastic drawer glides, handles or any exterior surfaces of the appliance.
Oven Racks	Oven racks must be removed from oven cavity. Clean by using a mild, abrasive cleaner following manufacturer’s instructions. Rinse with clean water and dry.
Ceramic cooktop	See “Cooktop Maintenance” on page 31.

Cooktop Maintenance

Consistent and proper cleaning is essential to maintaining your ceramic glass cooktop.

Prior to using your cooktop for the first time, apply a ceramic cooktop cleaning cream (available in most hardware, grocery, and department stores) to the ceramic surface. Clean and buff with a clean paper towel. This will make cleaning easier when soiled from cooking. Cooktop cleaning creams leave a protective finish on the glass to help prevent scratches and abrasions.

Sliding pans on the cooktop can cause metal markings on the cooktop surface. These marks should be removed immediately after the cooktop has cooled using cooktop cleaning cream. Metal marks can become permanent if not removed prior to future use.

Cookware (cast iron, metal, ceramic, or glass) with rough bottoms can mark or scratch the cooktop surface.

Do not:

- Slide anything metal or glass across the cooktop.
- Use cookware with dirt or dirt build up on the bottom; always use clean cookware.
- Use your cooktop as a cutting board or work surface in the kitchen.
- Drop heavy or hard objects on the ceramic glass cooktop; they may cause it to crack.

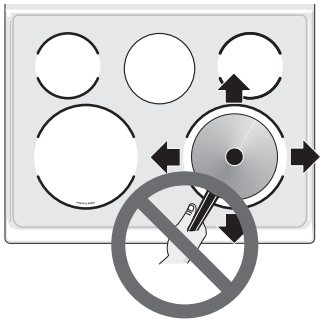


Figure 28: Cooktop care

WARNING

Do not use a cooktop cleaner on a hot cooktop. The fumes can be hazardous to your health, and can chemically damage the ceramic-glass surface.

Cooktop Cleaning

CAUTION

Before cleaning the cooktop, be sure the controls are turned to OFF and the cooktop is cool. The glass surface could be hot from contact with hot cookware, and burns may occur if the glass surface is touched before it has cooled sufficiently.

For light to moderate soil:

For light to moderate soil: Apply a few drops of cooktop cleaning cream directly to the cooktop. Use a clean paper towel to clean the entire cooktop surface. Make sure the cooktop is cleaned thoroughly, leaving no residue. Do not use the towel you use to clean the cooktop for any other purpose.

For heavy, burned on soil:

Apply a few drops of cooktop cleaning cream directly to the soiled area. Rub the soiled area using a non-abrasive cleaning tool, applying pressure as needed. Do not use the pad you use to clean the cooktop for any other purpose.

If soils remain, carefully scrape soils with a metal razor blade scraper, holding scraper at a 30 degree angle to the surface. Remove loosened soils with cooktop cleaning cream and buff the surface clean.

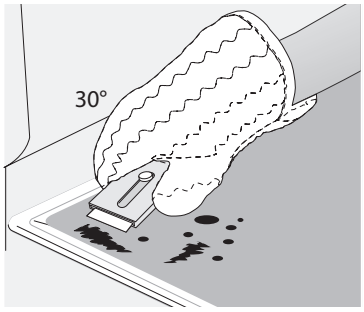


Figure 29: Cooktop cleaning

IMPORTANT

Damage to the ceramic glass cooktop may occur if you use an abrasive type cleaning pad. Only use cleaning products that have been specifically designed for ceramic glass cooktops.

CARE AND CLEANING

Aluminum Foil and Utensils

WARNING

Never cover any slots, holes, or passages in the oven bottom or cover an entire oven rack with materials such as aluminum foil. Aluminum foil linings may trap heat, causing a fire hazard.

Protective Liners — Do not use aluminum foil to line the oven bottom. Improper installation of these liners may result in risk of electric shock or fire.

IMPORTANT

Aluminum foil - Use of aluminum foil on a hot cooktop can damage the cooktop. Do not use thin aluminum cooking utensils or allow aluminum foil to touch the surface elements under any circumstances.

Remove and replace storage drawer

Use the storage drawer for storing cooking utensils. The drawer can be removed to facilitate cleaning under the range. Use care when handling the drawer.

To remove the drawer:

1. Pull empty drawer out until it stops.
2. Tilt up the front of the drawer up and pull it out over the glide stop.

To replace the drawer:

1. Insert the back of the drawer into the opening.
2. Lift up the drawer and line up the drawer supports with the rails. Make sure to clear the glide stop.
3. Push in the drawer until it stops.

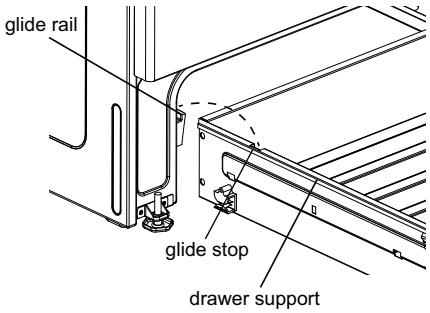


Figure 30: Parts of storage drawer

Replacing the Oven Light

CAUTION

Be sure the oven is unplugged and all parts are cool before replacing the oven light.

Replacing the oven interior light bulb:

The interior oven light is located at the rear of the oven cavity and covered with a glass shield. The glass shield must be in place whenever the oven is in use (Figure 31).

1. Turn electrical power off at the main source or unplug the appliance.
2. Remove the interior oven light shield after removing the wire holder by carefully moving the wire to the side of the glass shield. The tension from the wire holds the glass shield in place.
3. Pull the shield straight out. Do not twist or turn.
4. Replace the bulb with a new appliance bulb.
5. Replace the glass oven light shield. Replace wire holder.
6. Turn the power back on again at the main source (or plug the appliance back in).
7. Be sure to reset the time of day on the clock.

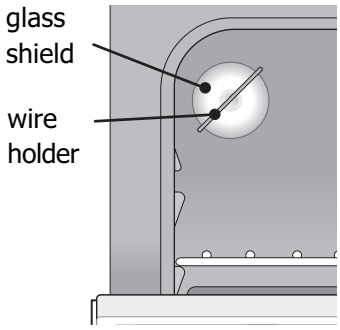


Figure 31: Oven light protected by glass shield

Removing and Replacing the Oven Door

To remove oven door:

CAUTION

The door is heavy. For safe, temporary storage, lay the door flat with the inside of the door facing down.

1. Open oven door completely, horizontal with floor (See Figure 32).
2. Pull the door hinge locks on both left and right door hinges down from the oven frame completely towards the oven door (See Figure 33). A tool such as a small flat-blade screwdriver may be required.
3. Firmly grasp both sides of oven door along the door sides. Do not use the oven door handle (See Figure 34).
4. Close the door to approximately 10 degrees from the door frame (See Figure 34).
5. Lift the oven door hinge arms over the roller pins located on each side of the oven frame (See Figure 35).

To replace oven door:

1. Firmly grasp both sides of oven door along the door sides. Do not use the oven door handle (See Figure 34).
2. Holding the oven door at the same angle as the removal position, seat the hook of the hinge arm over the roller pins located on each side of the oven door frame (See Figure 34 and Figure 35). The hook of the hinge arms must be fully seated onto the roller pins.
3. Fully open the oven door, horizontal with floor (See Figure 32).
4. Push the door hinge locks up towards and into the oven frame on both left and right oven door hinges to the locked position (See Figure 33).
5. Close the oven door.

IMPORTANT

Special door care instructions - Most oven doors contain glass that can break. Do not hit the glass with pots, pans, or any other object. Scratching, hitting, jarring, or stressing the glass may weaken its structure, causing an increased risk of breakage at a later time. Do not close the oven door until all of the oven racks are fully in place.

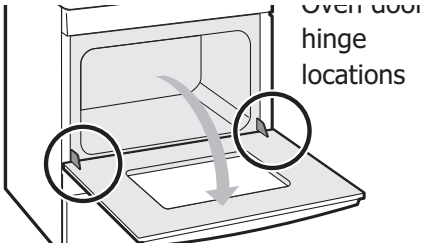


Figure 32: Door hinge location

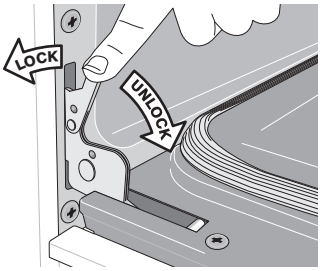


Figure 33: Door hinge locks

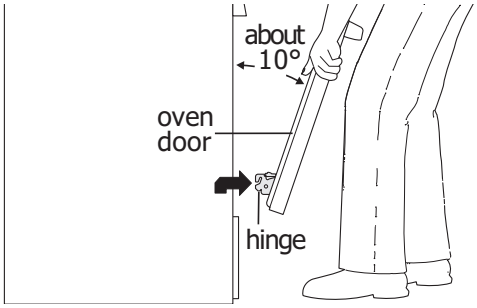


Figure 34: Holding door for removal

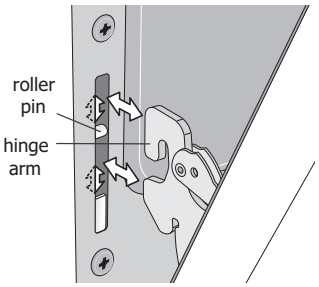


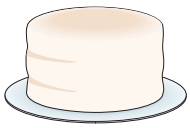
Figure 35: Replacement and location of hinge arm and roller pin

BEFORE YOU CALL

Oven Baking

For best cooking results, preheat the oven before baking cookies, breads, cakes, pies, pastries, etc. There is no need to preheat the oven for roasting meat or baking casseroles. The cooking times and temperatures needed to bake a product may vary slightly from your previously owned appliance.

Baking Problems and Solutions

Baking Problems	Causes	Corrections
Cookies and biscuits burn on the bottom. 	• Cookies and biscuits put into oven before oven is preheated. • Oven rack is overcrowded. • Dark pan absorbs heat too fast.	• Allow oven to preheat to desired temperature before placing food in oven. • Choose pan sizes that will permit at least 2” of air space (5.1 cm) on all sides when placed in the oven. • Use a medium weight shiny baking sheet.
Cakes too dark on top or bottom 	• Cakes put in oven before oven is preheated. • Rack position too high or too low. • Oven too hot.	• Allow oven to preheat to the selected temperature before placing food in the oven. • Use proper rack position for baking needs. • Set oven temperature 25°F (13°C) lower than recommended.
Cakes not done in center 	• Oven too hot. • Incorrect pan size. • Pan not centered in oven. • Glass cookware slow heat conductor.	• Set oven temperature 25°F (13°C) lower than recommended. • Use pan size suggested in recipe. • Use proper rack position and place pan so there are at least 2” (5.1 cm) of space on all sides of pan. • Reduce temperature and increase cook time or use shiny bakeware.
Cakes not level. 	• Oven not level. • Pan too close to oven wall or rack overcrowded. • Pan warped. • Oven light left on while baking.	• Place a marked glass measuring cup filled with water on the center of the oven rack. If the water level is uneven, refer to the installation instructions for leveling the oven. • Use proper rack position and place pan so there are at least 2” (5.1 cm) of space on all sides of pan. • Do not use pans that are dented or warped. • Do not leave the oven light on while baking.
Foods not done when cooking time is over. 	• Oven too cool. • Oven overcrowded. • Oven door opened too frequently.	• Set oven temperature 25°F (13°C) higher than suggested and bake for the recommended time. • Be sure to remove all pans from the oven except the ones to be used for baking. • Open oven door only after the shortest recommended baking time.

Solutions to Common Problems:

Before you call for service, review the following list. It may save you time and expense. Possible solutions are provided with the problem listed.

Problem	Cause / Solution
Entire appliance does not operate.	Appliance not connected. Make sure power cord is plugged properly into outlet. Check your fuse box or breaker box to make sure the circuit is active. Electrical power outage. Check house lights to be sure. Call your local electric company for service outage information.
	Oven Problems
Poor baking results.	Many factors affect baking results. Use proper oven rack position. Center food in the oven and space pans to allow air to circulate. Preheat the oven to the set temperature before placing food in the oven. Try adjusting the recipe's recommended temperature or baking time. See “Adjusting the oven temperature” on page 28 if you feel the oven is too hot or too cool.
Flames inside oven or smoking from oven vent.	Excessive spills in oven. Grease or food spilled onto the oven bottom or oven cavity. Wipe up excessive spills before starting the oven. If flames or excessive smoke are present when using broil, see “Setting Broil” on page 25.
Oven smokes excessively when broiling.	Incorrect setting. Follow the “Setting Broil” instructions on page 25. Meat too close to the broil element or burner. Reposition the broil pan to provide proper clearance between the meat and broil element or burner. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean. Grease build up on oven surfaces. Regular cleaning is necessary when broiling frequently. Grease or food splatters will cause excessive smoking.
The letter E appears in a setting indicator	An error has occurred. This may happen because cookware has boiled dry. Remove cookware and turn off the cooktop. After 30 seconds, turn on the cooktop. If the cookware was the problem, E will no longer display. An error may occur because of water, oil, or food on the controls. Clean the control panel. Disconnect the power to the range for a minute, then reconnect it. If the error still occurs, call an authorized dealer or service technician.
Oven portion of appliance does not operate.	Be sure the regulator gas valve is turned to ON. See installation instructions. The time of day is not set. The clock must be set in order to operate the oven. See “Setting the Clock” on page 21. Be sure the oven controls are set properly for the desired function. See “Oven Control Features” starting on page 20 and review instructions for the desired cooking function in this manual or see **Entire appliance does not operate** in this checklist.

BEFORE YOU CALL

Problem	Cause / Solution
	Cooktop Problems
Surface element is too hot or not hot enough.	Incorrect induction cooktop power level setting. Adjust power level setting higher or lower as needed. Be sure the correct surface control is activated for the cooking zone. Be sure to use the correct cookware material type for induction cooking. Use cookware specifically identified by the manufacturer to use for induction cooking. If you're not sure, use a magnet to test whether the cookware type will work. If a magnet sticks to the bottom of the cookware, the material type is correct for induction cooking. Be sure to read about pan-sensing in the Induction Cooking section in the checklist provided.
Surface element does not heat or does not heat evenly.	Be sure the correct surface control is turned on for element needed. Be sure to use the correct cookware material type for induction cooking. Use cookware specifically identified by the manufacturer to use for induction cooking. If you're not sure, use a magnet to test whether the cookware type will work. If a magnet sticks to the bottom of the cookware, the material type is correct for induction cooking. Use quality heavier gauge cookware.
Cookware in the cooking zone is too hot or not hot enough.	Incorrect surface control setting. Adjust power level setting.
Cooking zone does not heat cookware.	Be sure the correct surface control is turned on for the element needed. Incorrect cookware used. See "Cooking Recommendations" on page 9. Cookware is the wrong size or incorrectly positioned in the cooking zone. See "Pan Sensing" on page 14.
Cooking zone does not heat evenly.	Cookware is warped. Use only flat, evenly balanced cookware. Flat pans heat better than warped pans. Cookware materials and weight of the material affect heating. Heavy and medium-weight pans heat evenly. Because lightweight pans heat unevenly, foods may burn easily.
Cooking zone control does not work	More than one control was pressed at once. Make sure that when trying to set the control, nothing is touching another control. Water or soil on the control panel. Clean the control panel.
A **-** (dash) appears in the setting indicators.	The cooktop is locked. See "Setting oven lockout" on page 22.
The Hot Cooktop warning did not come on	The cooktop did not get hot enough to activate the warning. If the cooktop was running long enough for the surface to get hot, call an authorized dealer or service technician.
The control area becomes hot	The cookware is too large or too close to the controls. Put large cookware on a rear zone if possible.

Problem	Cause / Solution
Areas of discoloration with metallic sheen on cooktop surface.	Mineral deposits from water and food. Remove them using cooktop cleaning creme applied to the ceramic surface. Buff with a non-abrasive cloth or sponge.
Scratches or abrasions on cooktop surface.	Coarse particles such as salt or hardened soils between cooktop and utensils can cause scratches. Be sure the cooktop surface and bottoms of utensils are clean before use. Small scratches do not affect cooking and will become less visible with time. Cleaning materials not recommended for ceramic-glass cooktop have been used. Apply cooktop cleaning creme to the ceramic surface. Buff with a non-abrasive cloth or sponge. Cookware with a rough bottom was used. Use smooth, flat-bottomed cookware.
Metal marks on the cooktop.	Sliding or scraping of metal utensils on cooktop surface. Do not slide metal utensils on the cooktop surface. Apply cooktop cleaning creme to the ceramic surface. Buff with a non-abrasive cloth or sponge. For more information, see “Cooktop Maintenance” on page 31.
Brown streaks or specks on cooktop surface.	Boil overs are cooked onto the surface. When cooktop is cool, use a razor blade scraper to remove soil. For more information see “Cooktop Maintenance” on page 31.
Appliance is not level.	Be sure the floor is level, strong, and stable enough to adequately support the range. If the floor is sagging or sloping, contact a carpenter to correct the situation. Poor installation. Place the oven rack in the center of the oven. Place a level on the oven rack. Adjust the leveling legs at the base of the appliance until the rack is level. Kitchen cabinet alignment may make range appear not level. Be sure cabinets are square and have sufficient room for appliance clearance.
Cannot move appliance easily. Appliance must be accessible for service.	Cabinets not square or are built in too tightly. Contact the builder or installer to make the appliance accessible. Carpet interferes with appliance. Provide sufficient space so the appliance can be lifted over carpet. Installation over carpet is not advised. See the installation instructions for guidelines specific to your appliance.
Oven light does not work.	Be sure the oven light is secure in the socket. See “” on page 32.

WARRANTY

Your appliance is covered by a one year limited warranty. For one year from your original date of purchase, Electrolux will pay all costs for repairing or replacing any parts of this appliance that prove to be defective in materials or workmanship when such appliance is installed, used and maintained in accordance with the provided instructions.

Exclusions

This warranty does not cover the following:

1. Products with original serial numbers that have been removed, altered or cannot be readily determined.
2. Product that has been transferred from its original owner to another party or removed outside the USA or Canada.
3. Rust on the interior or exterior of the unit.
4. Products purchased "as-is" are not covered by this warranty.
5. Food loss due to any refrigerator or freezer failures.
6. Products used in a commercial setting.
7. Service calls which do not involve malfunction or defects in materials or workmanship, or for appliances not in ordinary household use or used other than in accordance with the provided instructions.
8. Service calls to correct the installation of your appliance or to instruct you how to use your appliance.
9. Expenses for making the appliance accessible for servicing, such as removal of trim, cupboards, shelves, etc., which are not a part of the appliance when it is shipped from the factory.
10. Service calls to repair or replace appliance light bulbs, air filters, water filters, other consumables, or knobs, handles, or other cosmetic parts.
11. Surcharges including, but not limited to, any after hour, weekend, or holiday service calls, tolls, ferry trip charges, or mileage expense for service calls to remote areas, including the state of Alaska.
12. Damages to the finish of appliance or home incurred during installation, including but not limited to floors, cabinets, walls, etc.
13. Damages caused by: services performed by unauthorized service companies; use of parts other than genuine Electrolux parts or parts obtained from persons other than authorized service companies; or external causes such as abuse, misuse, inadequate power supply, accidents, fires, or acts of God.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. ELECTROLUX SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

If You Need Service

Keep your receipt, delivery slip, or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting Electrolux at the addresses or phone numbers below.

This warranty only applies in the USA and Canada. In the USA, your appliance is warranted by Electrolux Major Appliances North America, a division of Electrolux Home Products, Inc. In Canada, your appliance is warranted by Electrolux Canada Corp. Electrolux authorizes no person to change or add to any obligations under this warranty. Obligations for service and parts under this warranty must be performed by Electrolux or an authorized service company. Product features or specifications as described or illustrated are subject to change without notice.

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1.800.944.9044
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