

Electric Induction Front Control RANGES

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Write the model and serial numbers here:

Model # _____

Serial # _____

You can find them on a label behind the door or drawer.

OWNER'S MANUAL

30" Induction Range
PHS93X

ESPAÑOL

Para consultar una version en español de este manual de instrucciones, visite nuestro sitio de internet GEAppliances.com.



THANK YOU FOR MAKING GE APPLIANCES A PART OF YOUR HOME.

Whether you grew up with GE Appliances, or this is your first, we're happy to have you in the family.

We take pride in the craftsmanship, innovation and design that goes into every GE Appliances product, and we think you will too. Among other things, registration of your appliance ensures that we can deliver important product information and warranty details when you need them.

Register your GE appliance now online. Helpful websites and phone numbers are available in the Consumer Support section of this Owner's Manual. You may also mail in the pre-printed registration card included in the packing material.



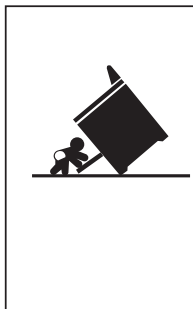
GE APPLIANCES

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

⚠ WARNING Read all safety instructions before using the product. Failure to follow these instructions may result in fire, electrical shock, serious injury or death.

ANTI-TIP DEVICE



⚠ WARNING

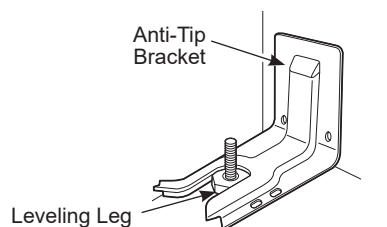
Tip-Over Hazard

- A child or adult can tip the range and be killed.
- Install the anti-tip bracket to the wall or floor.
- Engage the range to the anti-tip bracket by sliding the range back such that the foot is engaged.
- Re-engage the anti-tip bracket if the range is moved.
- Failure to do so can result in death or serious burns to children or adults.

To reduce the risk of tipping the range, the range must be secured by a properly installed anti-tip bracket. See installation instructions shipped with the bracket for complete details before attempting to install.

For Free-Standing and Slide-In Ranges

To check if the bracket is installed and engaged properly, look underneath the range to see that the rear leveling leg is



Free-Standing and Slide-In Ranges

engaged in the bracket. On some models, the storage drawer or kick panel can be removed for easy inspection. If visual inspection is not possible, slide the range forward, confirm the anti-tip bracket is securely attached to the floor or wall, and slide the range back so the rear leveling leg is under the anti-tip bracket.

If the range is pulled from the wall for any reason, always repeat this procedure to verify the range is properly secured by the anti-tip bracket.

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

⚠ WARNING GENERAL SAFETY INSTRUCTIONS

This unit has been tested and found to comply with the limits for a class B digital device, pursuant to Part 18 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this 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 the distance between the unit and receiver.
- Connect the unit into an outlet or a circuit different from that to which the receiver is connected.

- Use this appliance only for its intended purpose as described in this Owner's Manual.
- Have your range installed and properly grounded by a qualified installer in accordance with the provided installation instructions.
- Any adjustment and service should be performed only by a qualified installer or service technician. Do not attempt to repair or replace any part of your range unless it is specifically recommended in this manual.
- Before performing any service, unplug the range or disconnect the power supply at the household distribution panel by removing the fuse or switching off the circuit breaker.
- Do not leave children alone or unattended in an area where an appliance is in use. They should never be allowed to climb, sit or stand on any part of the appliance.

⚠ CAUTION

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

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

⚠ WARNING GENERAL SAFETY INSTRUCTIONS (Cont.)

- **⚠ CAUTION** Do not store items of interest to children above a range or on the backguard of a range—children climbing on the range to reach items could be seriously injured.
- Use only dry pot holders—moist or damp pot holders on hot surfaces may result in burns from steam. Do not let pot holders touch hot surface units or heating elements. Do not use a towel or other bulky cloth in place of pot holders.
- Never use your appliance for warming or heating the room.
- Be sure all packing materials are removed from the range before operating to prevent ignition of these materials.
- Do not use any type of foil or liner to cover the oven bottom or anywhere in the oven, except as described in this manual. Oven liners can trap heat or melt, resulting in damage to the product and risk of shock, smoke or fire.
- Do not use the oven if a heating element develops a glowing spot during use or shows other signs of damage. A glowing spot indicates the surface unit may fail and present a potential burn, fire, or shock hazard. Turn the heating element off immediately and have it replaced by a qualified service technician.
- Do not touch the surface units, the heating elements or the interior surface of the oven. These surfaces may be hot enough to burn even though they are dark in color. During and after use, do not touch, or let clothing or other flammable materials contact the surface units, areas nearby the surface units or any interior area of the oven; allow sufficient time for cooling first. Other surfaces of the appliance may become hot enough to cause burns. Potentially hot surfaces include the cooktop, areas facing the cooktop, oven vent opening, surfaces near the opening and crevices around the oven door.
- Do not heat unopened food containers. Pressure could build up and the container could burst, causing an injury.
- Avoid scratching or impacting glass doors, cooktops or control panels. Doing so may lead to glass breakage. Do not cook on a product with broken glass. Shock, fire or cuts may occur. Contact a qualified technician immediately.
- Cook food thoroughly to help protect against foodborne illness. Minimum safe food temperature recommendations can be found at IsItDoneYet.gov and fsis.usda.gov. Use a food thermometer to take food temperatures and check several locations.
- Do not allow anyone to climb, stand, or hang on the oven door, drawer, or cooktop. They could damage the range or tip it over, causing severe injury or death.

⚠ WARNING KEEP FLAMMABLE MATERIALS AWAY FROM THE RANGE

Failure to do so may result in fire or personal injury.

- Do not store or use flammable materials in an oven or near the cooktop, including paper, plastic, pot holders, linens, wall coverings, curtains, drapes and gasoline or other flammable vapors and liquids.
- Never wear loose-fitting or hanging garments while using the appliance. These garments may ignite if they contact hot surfaces causing severe burns.
- Do not let cooking grease or other flammable materials accumulate in or near the range. Grease in the oven or on the cooktop may ignite.

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

⚠ WARNING IN THE EVENT OF A FIRE, TAKE THE FOLLOWING STEPS TO PREVENT INJURY AND FIRE SPREADING

- Do not use water on grease fires. Never pick up a flaming pan. Turn the controls off. Smother a flaming pan on a surface unit by covering the pan completely with a well-fitting lid, cookie sheet or flat tray. If necessary, use a multi-purpose dry chemical or foam-type fire extinguisher.
- If there is a fire in the oven during baking, smother the fire by closing the oven door and turning the oven off or by using a multi-purpose dry chemical or foam-type fire extinguisher.
- If there is a fire in the oven during self-clean, turn the oven off and wait for the fire to go out. Do not force the door open. Introduction of fresh air at self-clean temperatures may lead to a burst of flame from the oven. Failure to follow this instruction may result in severe burns.

⚠ WARNING COOKTOP SAFETY INSTRUCTIONS

- Never leave the surface units unattended. Boilovers cause smoking and greasy spillovers that may ignite.
- Never leave oil unattended while frying. If allowed to heat beyond its smoking point, oil may ignite resulting in fire that may spread to surrounding cabinets. Use a deep fat thermometer whenever possible to monitor oil temperature.
- To avoid oil spillover and fire, use a minimum amount of oil when shallow pan-frying and avoid cooking frozen foods with excessive amounts of ice.
- Use pans that fit the element size. The pan must be large enough for the element to detect the pan and be able to deliver full power.
- To minimize the possibility of burns, ignition of flammable materials and spillage, the handle of a container should be turned toward the center of the range without extending over nearby surface units.
- When preparing flaming foods under a hood, turn the fan on.
- Avoid scratching the glass cooktop. The cooktop can be scratched with items such as knives, sharp instruments, rings or other jewelry, and rivets on clothing.
- Use ceramic cooktop cleaner and a non-scratch cleaning pad to clean the cooktop. Wait until the cooktop cools and the indicator light goes out before cleaning. A wet sponge or cloth on a hot surface can cause steam burns. Some cleaners can produce noxious fumes if applied to a hot surface.
NOTE: Sugar spills are an exception. They should be scraped off while still hot using an oven mitt and a scraper. See the Cleaning the glass cooktop section for detailed instructions.
- Use care when touching the cooktop. The glass surface of the cooktop will retain heat after the controls have been turned off.
- Do not cook on a broken cooktop. If glass cooktop should break, cleaning solutions and spillovers may penetrate the broken cooktop and create a risk of electric shock. Contact a qualified technician immediately.
- Do not place metallic objects such as knives, forks, spoons and lids on the cooktop surface since they can get hot.

⚠ CAUTION

The induction cooking elements may appear to be cool while turned ON and after they have been turned OFF. The glass surface may be HOT from residual heat transferred from the cookware and burns may occur.

⚠ WARNING OVEN SAFETY INSTRUCTIONS

- Keep oven vent unobstructed.
- Stand away from the range when opening the oven door. Hot air or steam which escapes can cause burns to hands, face and/or eyes.
- Place oven racks in desired location while oven is cool. If rack must be moved while oven is hot, do not let pot holder contact hot heating element in oven.
- Never place cooking utensils, pizza or baking stones, or any type of foil or liner on the oven floor. These items can trap heat or melt, resulting in damage to the product and risk of shock, smoke or fire.
- Do not leave items such as paper, cooking utensils, or food in the oven when not in use. Items stored in an oven can ignite.

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

⚠ WARNING**SELF-CLEANING OVEN SAFETY INSTRUCTIONS**

The self-cleaning feature operates the oven at temperatures high enough to burn away food soils in the oven. Follow these instructions for safe operation.

- Do not touch oven surfaces during self-clean operation. Keep children away from the oven during self-cleaning. Failure to follow these instructions may cause burns.
- Before operating the self-clean cycle, remove pans, shiny metal oven racks and other utensils from the oven. Only enameled (not shiny) oven racks may be left in the oven. Do not use self-clean to clean other parts, such as drip pans or bowls.
- Before operating the self-clean cycle, wipe grease and food soils from the oven. Excessive amount of grease may ignite leading to smoke damage to your home.
- If the self-cleaning mode malfunctions, turn the oven off and disconnect the power supply. Have it serviced by a qualified technician.
- Do not clean the door gasket. The door gasket is essential for a good seal. Care should be taken not to rub, damage or move the gasket.
- Do not use a protective coating to line the oven and do not use commercial oven cleaner unless certified for use in a self-cleaning oven.
- **IMPORTANT:** The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any range. Move birds to another well-ventilated room.

PROPER DISPOSAL OF YOUR APPLIANCE

Dispose of or recycle your appliance in accordance with Federal and Local Regulations. Contact your local authorities for the environmentally safe disposal or recycling of your appliance.

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

Remote Enable Equipment

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The wireless communication equipment installed on this range has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to:

(a) provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(b) accept any interference received, including interference that may cause undesired operation of the device.

Note that any changes or modifications to the wireless communication device installed on this oven that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Radio Frequency Interference

This unit has been tested and found to comply with the limits for a class B digital device, pursuant to Part 18 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this 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 the distance between the unit and receiver.
- Connect the unit into an outlet or a circuit different from that to which the receiver is connected.

⚠ CAUTION

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

- Use this appliance only for its intended purpose as described in this Owner's Manual.
- Be sure your appliance is properly installed and grounded by a qualified installer in accordance with the provided installation instructions.
- Do not attempt to repair or replace any part of your range unless it is specifically recommended in this manual. All other servicing should be transferred to a qualified technician.

How to Remove Protective Shipping Film and Packaging Tape

Carefully grasp a corner of the protective shipping film with your fingers and slowly peel it from the appliance surface. Do not use any sharp items to remove the film. Remove all of the film before using the appliance for the first time.

To assure no damage is done to the finish of the product, the safest way to remove the adhesive from packaging tape on new appliances is an application of

a household liquid dishwashing detergent. Apply with a soft cloth and allow to soak.

NOTE: The adhesive must be removed from all parts. It cannot be removed if it is baked on.

Consider recycling options for your appliance packaging material.

READ AND SAVE THESE INSTRUCTIONS

Surface Units

How Induction Surface Cooking Works

The magnetic fields induce a small current in the pan. The pan acts as a resistor, which produces heat, much like a radiant coil.

The cooking surface itself does not heat. Heat is produced in the cooking pan, and cannot be generated until a pan is placed on the cooking surface.

When the element is activated, the pan begins to heat immediately and in turn heats the contents of the pan.

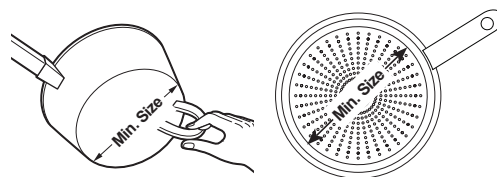
Magnetic induction cooking requires the use of cookware made of ferrous metals—metals to which magnets will stick, such as iron or steel.

Use pans that fit the element size. The pan must be large enough for the element to detect the pan and be able to deliver full power.

The cooktop will not operate if a very small steel or iron utensil, such as a steel spatula, cooking spoon, knife or other small utensil, is placed on the cooking surface when the unit is turned on.

CAUTION

- The induction cooking elements may appear to be cool while turned ON and after they have been turned OFF. The glass surface may be HOT from residual heat transferred from the cookware and burns may occur.
- DO NOT TOUCH HOT COOKWARE or PANS directly with hands. Always use mitts or pot holders to protect hands from burns.
- DO NOT SLIDE cookware across the cooktop surface. Doing so may permanently damage the appearance of the ceramic cooktop.



Use the minimum size pan for the element. The pan material is correct if a magnet sticks to the bottom.

Operating the Cooktop Elements

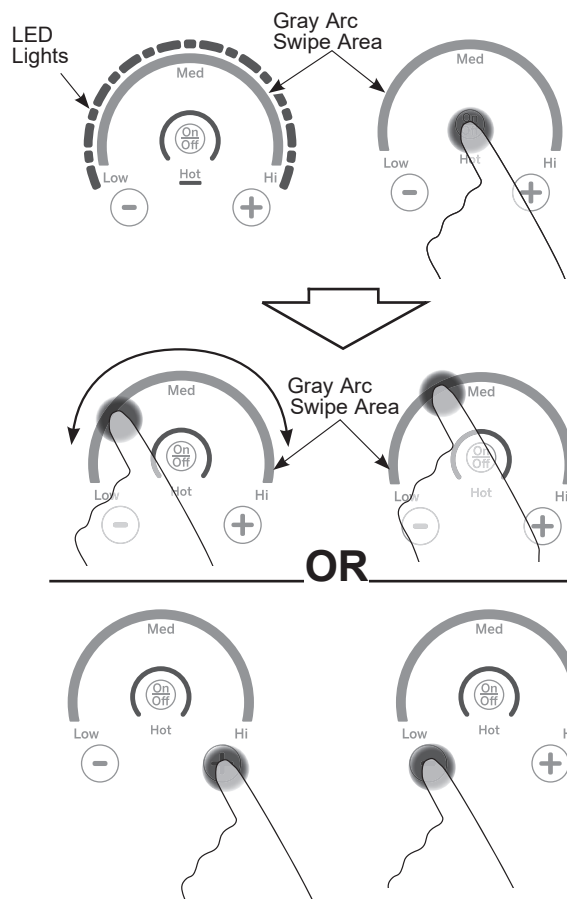
WARNING FIRE HAZARD: Never leave the range unattended with the cooktop on. Keep flammable items away from the cooktop. Turn off all controls when done cooking. Failure to follow these instructions can result in fire, serious injury or death.

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

Turn element(s) On: Touch and hold **On/Off** pad about half a second. A chime can be heard with each touch to any pad.

Power level can be selected in any of the following ways:

1. **Swipe the gray arc** (on the graphics) to the desired power level. **There is no sensor on the LEDs**, or;
2. Touch **Anywhere** along the gray arc, or;
3. Touch **+** or **-** pads to adjust power level, or;
4. Shortcut to Hi: Immediately after turning unit on, touch the **+** pad, or;
5. Shortcut to Low: Immediately after turning unit on, touch the **-** pad.



Surface Units (Cont.)

Using the Warming Zone

⚠ WARNING

FOOD POISON HAZARD: Bacteria may grow in food at temperatures below 140°F.

- Always start with hot food. Do not use warm setting to heat cold food.
- Do not use warm setting for more than 2 hours.

The **WARMING ZONE**, located in the back center of the glass surface, will keep hot, cooked food at serving temperature. Always start with hot food. Do not use to heat cold food. Placing uncooked or cold food on the **WARMING ZONE** could result in foodborne illness.

To use the WARMING ZONE:

Press the **WARMING ZONE** pad, select the desired level (Low, Medium or High).

To turn off the WARMING ZONE:

Press the **WARMING ZONE** pad.

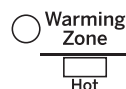
NOTE: Cancel/Off will NOT turn off the warming zone.

For best results, all foods on the **WARMING ZONE** should be covered with a lid or aluminum foil. When warming pastries or breads, the cover should be vented to allow moisture to escape.

The initial temperature, type and amount of food, type of pan, and the time held will affect the quality of the food.

Always use pot holders or oven mitts when removing food from the **WARMING ZONE**, since cookware and plates will be hot.

NOTE: The surface warmer will not glow red.



How To Synchronize Left Elements

To Turn On

Hold the **Sync Burners** pad for about half a second to connect the two elements. Operate either element as described in Operating the Cooktop Elements to adjust power level.



To Turn Off

1. Touch the **On/Off** pad on either element to turn off the Sync Burners.

or

2. Touch the **Sync Burners** to turn both elements off.

Cookware for Induction Cooktop

Using the Correct Size Cookware

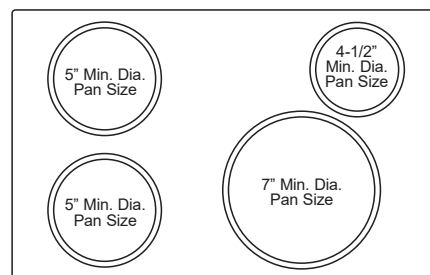
The induction coils require a minimum pan size to function properly. Pans that are not ferrous or are too small will not allow the induction elements to turn on, and the ON indicator for that element location will flash for 25 seconds and then turn off. If a pan is removed from or not centered on the induction coil for more than 30 seconds, the power for that element will be shut off.

Cookware larger than the element ring may be used; however, heat will only occur above the element.

For best results, the cookware must make FULL contact with the glass surface. Cookware that is small may be too light to compress the Precision Cooktop Sensor on models with sensor on left front burner and should not be used on that burner. Small pans with heavy handles are likely to be incompatible with the Precision Cooktop Sensor.

Do not allow the bottom of the pan or cookware to touch the surrounding metal cooktop trim.

For best performance, match the pan size to the element size. Using a smaller pot on a larger burner will generate less power at any given setting.



Use the minimum size pan shown for each cooking element.

Suitable Cookware

Use quality cookware with heavier bottoms for better heat distribution and even cooking results. Choose cookware made of magnetic stainless steel, enamel coated cast iron, enameled steel or combinations of these materials.

Some cookware is specifically identified by the manufacturer for use with induction cooktops. Use a magnet to test if the cookware will work.

Flat-bottomed pans give best results. Pans with rims or slight ridges can be used.

Round pans give best results. Pans with warped or curved bottoms will not heat evenly.

For wok cooking, use a flat-bottomed wok. Do not use a wok with a support ring.

NOTE: The warming zone is NOT an induction element and will work with flat bottomed cookware that is NOT ferrous.



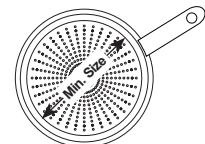
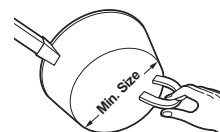
Use flat-bottomed pans.



Use a griddle.



Use a flat-bottomed wok.



Use the minimum size pan for the element. The pan material is correct if a magnet sticks to the bottom.

Cookware “Sounds”

Slight sounds may be produced by different types of cookware. Heavier pans such as enameled cast iron produce less sound than a lighter weight multi-ply stainless steel pan. The size of the pan, and the amount of contents, can also contribute to the sound level.

When using adjacent elements that are set at certain power level settings, magnetic fields may interact and produce a high pitch whistle or intermittent “hum”. These sounds can be reduced or eliminated by lowering or raising the power level settings of one or both of the elements. Pans that completely cover the element ring will produce less sound.

A low “humming” sound is normal particularly on high settings.

Sounds you may hear: You may hear a slight “Buzz” when cooking with Hi mode. This is normal. The sound depends on the type of pot being used. Some pots will “Buzz” louder depending on the material. A “Buzz” sound may be heard if the pan contents are cold. As the pan heats, the sound will decrease. If the power level is reduced, the sound level will go down.

Power Control

If a surface unit is on power level H (high), for an extended period of time or if multiple surface units are on, there may be a slight reduction in power to the

surface unit. Water under pans may also cause the controls to reduce the power delivered to the cookware.

Cookware for Induction Cooktop

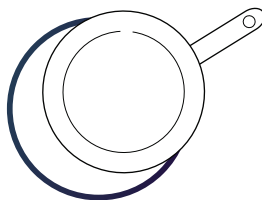
Cookware recommendations

The induction coils require a minimum pan size to function properly. Cookware must fully contact the surface of the cooking element.

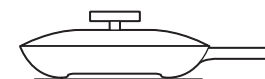
Use flat-bottomed pans sized to fit the cooking element and also to the amount of food being prepared.

Induction interface disks are NOT recommended.

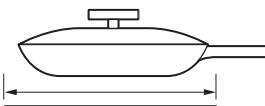
INCORRECT



Cookware not centered on cooking element surface.



Curved or warped pan bottoms or sides.



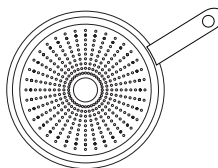
Pan does not meet the minimum size required for the cooking element used.



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

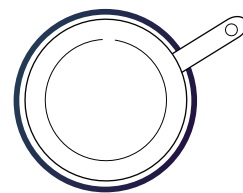


Heavy handle tilts pan.

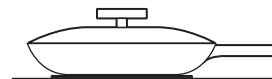


Pan is partially magnetic on the bottom.

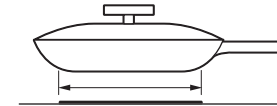
CORRECT



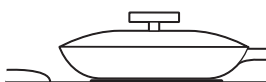
Cookware centered correctly on cooking element surface.



Flat pan bottom.



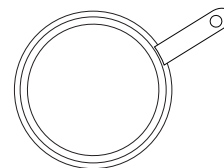
Pan size meets or exceeds the recommended minimum size for the cooking element used.



Pan bottom rests completely on the cooktop surface.



Pan is properly balanced.



Pan is completely magnetic on the bottom.

Precision Cooking

The Precision Cooking feature allows precise temperature control for improved results. This feature may be used with the Precision Cooktop Sensor on the front left burner or with compatible Bluetooth paired cooking devices on any burner. Only one burner may operate in precision cook mode at a time.

Pairing a Bluetooth® Device

To pair a Bluetooth device, refer to Settings section.

For WiFi Connected Ranges

If the range is Wi-Fi connected, then the Precision Cooktop temperature may be set from the SmartHQ mobile app instead of the burner control. At any time, controls on the range may be used to turn Off or override a temperature setting. See Settings - Wi-Fi & Remote Enable

Device	Works on. . .	How it works. . .	Use this for. . .	Temperature range.	Additional information
Precision Cooking Cooktop Sensor	Front left burner only	Controls cookware temperature based on the temperature of the cooktop sensor. Cookware must be in good contact with the sensor	Precise control of cookware temperature	100°F-425°F	Cooktop sensor temperature can be set with the range controls or through the SmartHQ app. See SmartHQ App for recommended food/technique temperature settings. Good for pan frying, sauteing, and searing. For boiling, simmering and similar liquid based cooking, traditional power control settings are recommended rather than temperature based control (temperature of a large liquid load will be lower than the temperature of the cookware).
Hestan Cue Cookware	All burners except the warming zone. NOTE: only one burner may operate in precision cook mode at a time	Controls cookware temperature based on a sensor in the cookware	Precise control of cookware temperature and Hestan Cue Guided Cooking recipes	Small to medium elements (A): 100°F-500°F Large elements (B): 150°F-500°F Left front element: 100°F-425°F	Can be set with the range controls, with the SmartHQ app, or with the Hestan Cue app.
Precision Cooktop Probe	All burners except the warming zone. NOTE: only one burner may operate in precision cook mode at a time	Controls the temperature of liquid loads based on a sensor in the probe. The probe tip must be in good contact with the liquid load	Precise control of liquid load temperature for sous-vide cooking or other low temperature liquid cooking	Small to medium element (A): 100°F-200°F Large element (B): 100°F-200°F	See the Smart HQ app for recommended settings food/technique temperature settings If you are experiencing trouble maintaining lower set temperatures try changing your set up by: <ul style="list-style-type: none"> • Remove the lid from the pot. • Use a larger diameter pot. • Use a smaller burner with a pot larger than the burner. Can also be used to hold foods at a specific temperature for applications like melted chocolate for dipping or fondue. If using for these scenarios, use traditional power control settings to bring the item to the target temperature first, then use the precision probe to hold.

NOTE: only one precision cooking device may operate at a time

Precision Cooking (Cont.)

Precision Cooking Control Modes

There are two control modes available:

- **App Control** - the user interacts with SmarthQ or Hestan Cue mobile app.
- **Local Control** - the user interacts with the burner to set a target temperature and no App use is required.

App Control

After activating your device on your selected burner, open the SmarthQ mobile app designed to control the selected device. Depending on the device and application, the set temperature may be shown in the unit display, in the SmarthQ mobile app, or hidden from view. **NOTE:** Use of Local Control mode is blocked upon entering App Control mode.

Local Control

After activating your device on your selected burner, use glide touch control to set temperature. The set temperature will be shown in the display. To use Hestan Cue® for temperature control and recipes, open the Hestan Cue® app and follow on screen instructions.

NOTE: Use of App Control mode is blocked upon entering Local Control mode

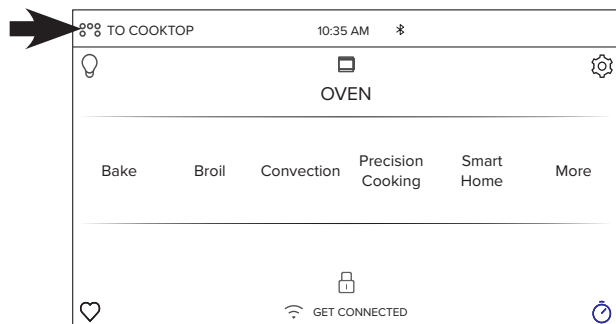
Precision Cooktop Sensor

Cookware needs to make contact with the sensor for proper operation of the left front burner on models with the precision cooktop sensor. Cookware will bow naturally during heating therefore cookware with recessed bottoms including griddles should not be used due to risk of not having proper contact with sensor. Bowed cookware is at risk of improper contact with the sensor and poor cooking performance and damage to the sensor are likely.

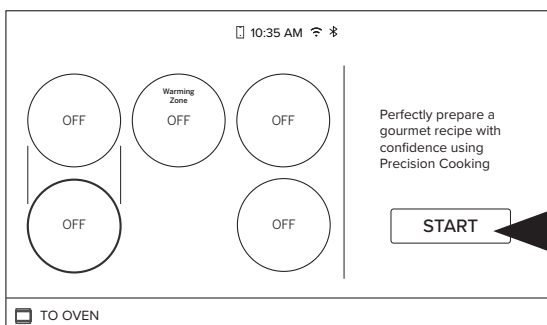
Precision Cooking (Cont.)

Use Precision Cooking with the Conventional Precision Cooktop Sensor

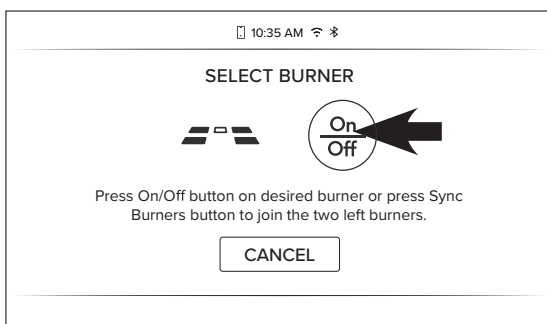
1. The front left burner should be turned OFF to begin
2. Touch the **TO COOKTOP** banner at the top of the display.



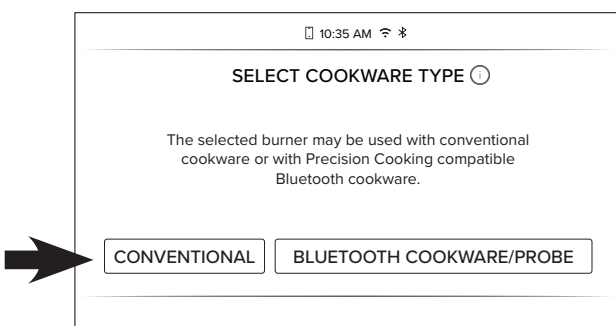
3. Touch **Start**.



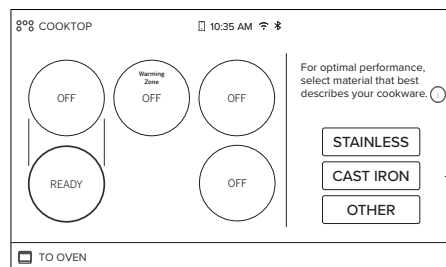
4. When prompted, touch the **On/Off** button on the left front burner.



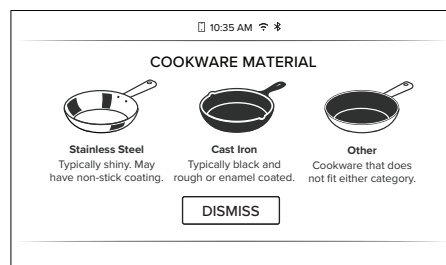
5. If the range has a Bluetooth pan or probe paired, it will prompt for you to choose which type of cookware you wish to use. To use the Precision Cooktop Sensor, choose **CONVENTIONAL**.



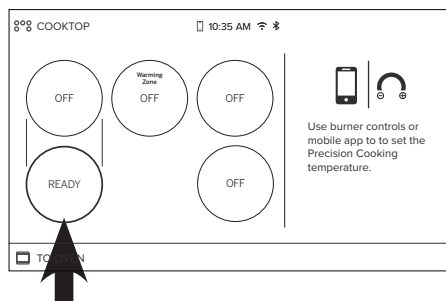
6. For optimal cooking performance, choose the type that best matches the cookware you are using.



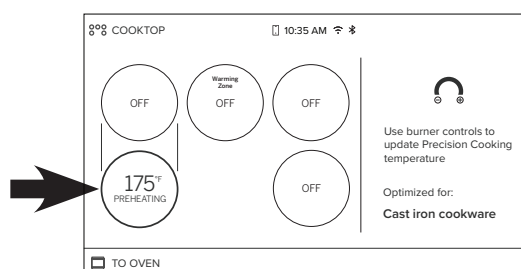
7. Touch the (i) icon for help selecting the closest match.



8. When screen below shows, you adjust the temperature level at the burner control, the desired temperature will appear on the display. Temperature level can also be adjusted in the SmartHQ app by selecting Precision Cooking and typing in the desired temperature. See section Surface Units – Operating the Cooktop Elements. When the burner is On, the LCD display shows an orange outline.



When the display shows “PREHEATING” the cookware temperature is increasing. When it reaches the desired set temperature, the word “PREHEATING” will disappear.



Precision Cooking (Cont.)

Precision Cooking with Compatible Bluetooth Devices

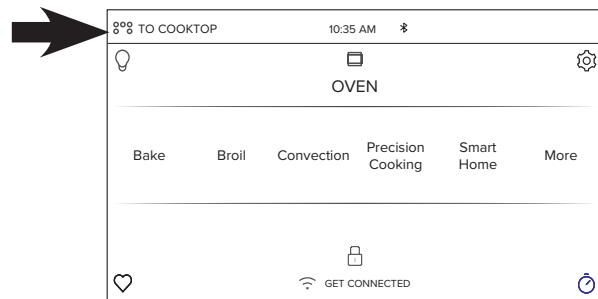
The range is able to communicate via Bluetooth with smart accessories such as Hestan Cue® cookware or the Precision Probe. Each smart accessory must be paired with the range to establish the Bluetooth connection. See Settings – Bluetooth.

Once paired, the Hestan Cue® cookware and Precision probe becomes available as a Precision Cooking option for any burner. Multiple smart accessories may be paired. You will be prompted to choose one to activate each time you use Precision cooking.

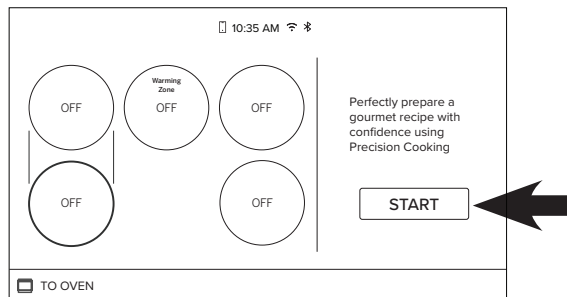
(Precision cooking is not available on the warming zone.)

Hestan Cue® Cookware or Precision Probe

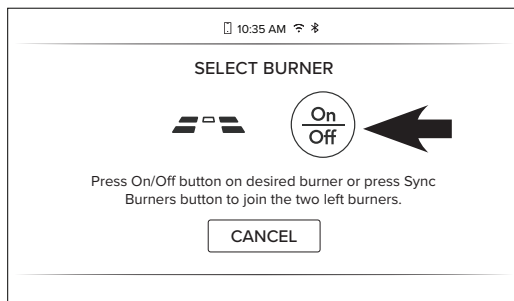
1. The burner desired for use should be turned OFF to begin.
2. Touch the **TO COOKTOP** banner at the top of the display.



3. Touch **Start**.

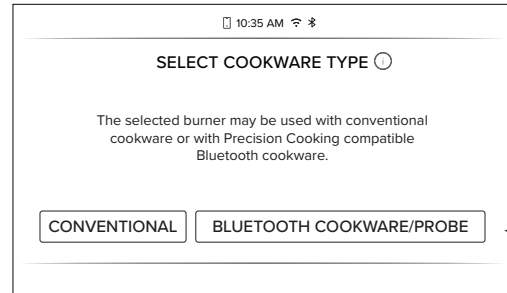


4. When prompted, touch the **On/Off** button of the desired burner.

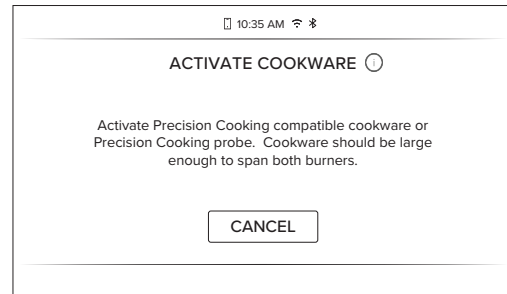


5. If you choose the rear burners or front right, the range will search for your paired smart accessory.

6. On some models, if you choose the front left burner, the LCD will prompt for you to choose which type of cookware you wish to use. To use Hestan Cue® cookware or Precision Probe, choose **BLUETOOTH COOKWARE/PROBE**.



7. When your paired cookware or probe is detected, you will be prompted to activate it. This turns it on so it is ready for cooking.



8. If no paired accessories are found, Precision Cooking will cancel. Refer to Settings – Bluetooth to pair Hestan Cue® cookware or Precision probe.



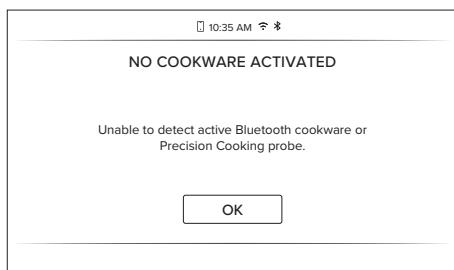
Precision Cooking (Cont.)

Hestan Cue® Cookware or Precision Probe (Cont.)

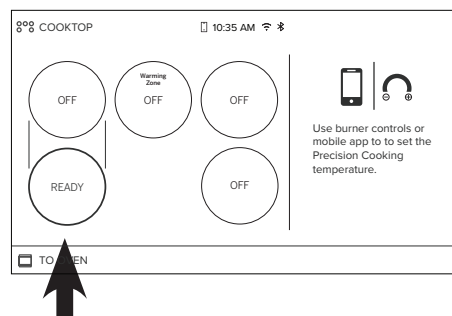
9. Activate your Hestan Cue® cookware or Precision Probe. Refer to the table for instructions for each device.

Supported Devices	How to Activate	Control with this App
Hestan Cue® cookware	Firmly double tap the black plastic endcap	Hestan Cue® (by Hestan Smart Cooking)
Precision Probe	Press side button once	Hestan Cue® (by Hestan Smart Cooking) or SmartHQ

If it is not activated within 2 minutes, the Precision Cook mode will timeout.

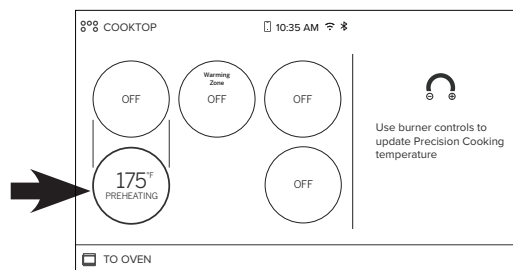


10. When this screen shows, your Hestan Cue® cookware or Precision probe is ready to select the cooking temperature. As you adjust the temperature level at the burner control or in the SmartHQ app, the desired temperature will appear on the display. See section Surface Units – Operating the Cooktop Elements. To use Hestan Cue for temperature control and recipes, open the Hestan Cue app and follow on screen instructions.



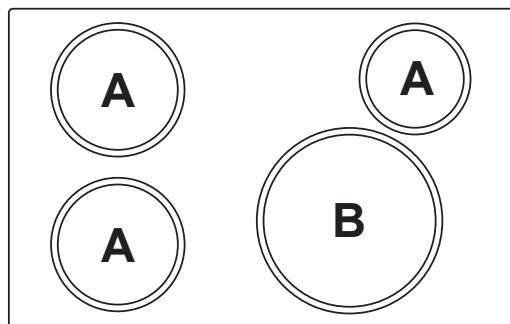
When the burner is On, the LCD display shows an orange outline.

When the display shows “PREHEATING” the cookware temperature is increasing. When it reaches the desired set temperature, the word “PREHEATING” will disappear.



Precision Device Minimum Temperatures

Device temperature ranges are dependent on burner size:



Using the Precision Probe at low temperatures

Device	Small to Medium Burners (A)	Large Burners (B)
Hestan Cue® cookware	100°F – 500°F	150°F – 500°F
Precision Probe	100°F – 200°F	120°F – 200°F

If you are experiencing trouble maintaining lower set temperatures with a precision probe, try changing your set-up by:

- Remove the lid from the pot
- Use a larger diameter pot
- Use a smaller burner with a pot larger than the burner.

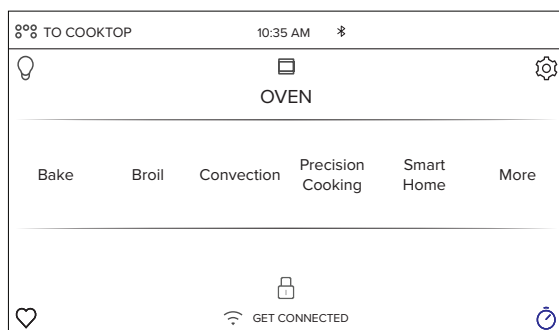
Precision Cooking (Cont.)

Suggested Cooking Temperatures for Common Foods

Food	Variation	Temp. (F)
Butter	Melt	240
	Melt and Hold	150
	Brown	350
	Clarify	240
Chocolate	Melt and Hold	115
Crepes		375
Eggs	Fried - white and tender	250
	Fried - browned and crispy	350
	Omelette	275
	Scrambled	275
French Toast - 0.5-0.875" thick		375
French Toast - 1-1.5" thick		350
Grilled Sandwiches - 0.5-1" thick		375
Grilled Sandwiches - 1.125-2.5" thick		350
Pancakes		375
Potatoes	Diced - 0.5-1" thick	375
	Patties	375
	Shredded	375

Food	Thickness (in)	Temp. (F)
Bacon		375
Beef - ground		350
Beef - patties	0.5 - 0.875	375
	1 - 1.5	350
Beef - steak (rare)	0.5 - 0.875	400
	1 - 1.5	375
Beef - steak (medium rare)	0.5 - 0.875	400
	1 - 1.5	375
Beef - steak (medium)	0.5 - 0.875	375
	1 - 1.5	350
Beef - steak (medium well)	0.5 - 0.875	375
	1 - 1.5	350
Beef - steak (well)	0.5 - 0.875	375
	1 - 1.5	350
Chicken - breasts	0.5 - 0.875	375
	1 - 1.5	350
Chicken - thighs	0.5 - 0.875	375
	1 - 1.5	350
Chicken - ground		350
Pork - chops	0.5 - 0.875	375
	1 - 1.5	350
Pork - ground		350
Sausage - ground		350
Sausage - links	0.25 - 0.875	350
	1 - 1.5	325
Sausage - patties	0.25 - 0.875	375
Seafood - fish fillet or steak	0.25 - 0.875	425
	1 - 1.5	400
Seafood - scallops		425

Oven Controls



Bake

This option allows the user to access traditional the traditional bake mode.

Broil

Broil can be selected to access Broil Low and Broil High. See the Cooking Modes section for more information.

Convection

This option allows you to utilize the convection system to cook in a variety of modes. See the Cooking Modes section for more information.

Convection Bake is enabled on your oven. Use WiFi Connect to enable the Convection Roast feature.

Precision Cooking

Precision Cooking is a suite of customized cooking cycles that have been designed for specific foods. The display will guide you through setting the oven and food appropriately for the cycle selected. Precision cooking cycles vary based on food type; see the Cooking Modes section for more detailed information.

Use WiFi Connect to enable the Precision Cooking feature.

Smart Home

This option connects you to resources detailing GE Appliances Smart Home solutions and connected partners. Life's more convenient when you're connected. It enables you to manage everyday tasks with ease when you can control your appliances from your smart device. With our WiFi Connect appliances and our SmartHQ mobile app, among other things you can:

- Preheat your oven on your way home from work.
- Change the oven temperature while you help with homework.
- Set and adjust cooking timers during your favorite TV show.

See the WiFi Connect section for instructions on connecting your smart device.

More

Select this option to access the Proof, Warm, Self Clean, and Steam Clean options.

Oven Light

To turn on or off the oven cavity lights, press the . Both cavity lights will be illuminated if using a double oven.

Settings

Press the to access the Settings. See the Settings section for more information.

Favorite

This option allows the user to save their favorite cycles for easy access in the future. After selecting a cooking mode and setting the temperature and any timers, press the to save it as a favorite for future use. After saving a cycle, press the on the main menu to quickly access the saved mode.

Kitchen Timer

This feature works as a countdown timer. Press the , select the amount of time for the timer to operate, and press **Start**. The oven will continue to operate once the timer countdown is complete. To turn off the timer, select the and press **Clear**.

Cook Time

This function counts down cooking time and turns off the oven when the cooking time is complete. Press the during a cycle, select the amount of cooking time, and press **Start**.

Delay Time

This feature delays the start time for an oven cycle. Use this feature to set a time when you want the oven to start. Select a cycle, then press the . Select the time of day for the oven to turn on and press **Start**. A cook time can also be programmed if desired.

NOTE: Foods that spoil easily—such as milk, eggs, fish, stuffings, poultry and pork—should not be allowed to sit for more than 1 hour before or after cooking. Room temperature promotes the growth of harmful bacteria. Be sure that the oven light is off because heat from the bulb will speed harmful bacteria growth.

Wi-Fi & Remote Enable


Press GET CONNECTED to connect your oven to Wi-Fi. This option allows you to download content to your oven and control it remotely. The oven must be connected to Wi-Fi before Remote Enable can be activated. For instructions on how to connect your oven, see the Wi-Fi Connect/Remote Enable section under Settings in this manual.

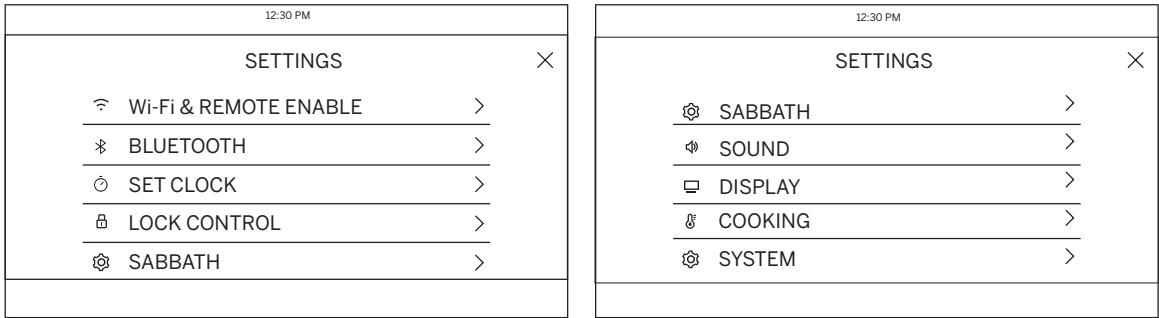
Air Fry

Air Fry is a special, no-preheat, cooking mode that is designed to produce foods with a crispier exterior than traditional oven cooking. The Air Fry mode is intended for single rack cooking only.

Use WiFi Connect to enable the Air Fry feature.

Settings


There are numerous settings that are accessed by pressing  in the top right corner of the main screen.



Slide up and down to access all the settings

Wi-Fi & Remote Enable

This appliance is configurable to allow remote operation at any time. Do not store any flammable materials or temperature sensitive items inside or on top of this appliance. By using the Wi-Fi Connect feature, you will be able to control essential oven operations such as temperature settings, timers and cooking modes using your smart device.*


Select the  then **Wi-Fi & Remote Enable** - follow the instructions on your oven display and smart device app. It is necessary to turn on Wi-Fi before using Remote Enable on your oven.

Connecting your Wi-Fi Connect Enabled oven

1. Have your smart device ready with the ability to access the internet and download apps.
2. You will need to know the password of your home Wi-Fi router. Have this password ready while you are setting up your GE Appliances oven.
3. On your smart device, visit **GEAppliances.com/connect** to learn more about connected appliance features and to download the SmartHQ mobile app to connect to your oven.
4. Follow the onscreen instructions in the SmartHQ mobile app to connect your GE Appliances oven. When connected, your oven should show that it is connected to your home Wi-Fi network.
5. If there are issues connecting wirelessly to your oven, please call 800.220.6899 and ask for assistance regarding oven wireless connectivity.

To connect additional smart devices, repeat steps 3 and 4.

Remote Starting your Oven

To be able to start the oven remotely once connected to Wi-Fi, press **Remote Enable** on the main menu or access **Wi-Fi & Remote Enable** in the settings menu and turn Remote Enable on. The oven can now be started remotely using a connected device. The  icon must be active to start the oven remotely.

* Compatible Apple or Android devices and home WiFi network required.


To disconnect your smart device from Remote Enable, access the **Wi-Fi & Remote Enable** settings and turn Remote Enable off.

NOTE: Foods that spoil easily—such as milk, eggs, fish, stuffings, poultry and pork—should not be allowed to sit for more than 1 hour before or after cooking. Room temperature promotes the growth of harmful bacteria. Be sure that the oven light is off because heat from the bulb will speed harmful bacteria growth.

Set Clock

This feature allows you to set the clock and specifies how the time of day will be displayed. Options are for a standard 12-hour clock with AM and PM selections or 24-hour military time display.

Lock Control

Select this option in order to lock the LCD from any undesired screen selections. To unlock the screen, press  and press **Unlock** on the next screen.

Sabbath

Sabbath mode disables the oven lights (the oven light will not turn on when the door is opened), all sounds (the control will not beep when the screen is pressed), Convection modes, Broil modes, Warm, Proof, and all time functions. Sabbath mode can only be used with traditional Bake. This feature conforms to Jewish Sabbath requirements. Please reference the Sabbath Mode section for more information.

Sound

This setting screen allows you to change the volume, the end of cycle tone, and turn on or off the touch sound.

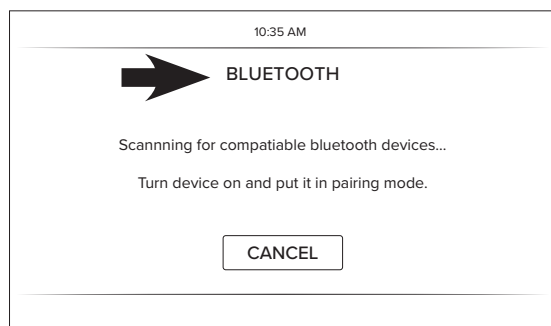
Settings (Cont.)

Bluetooth® Pairing

Connected features such as the Precision Cooking Probe and Chef Connect enabled products like an over-the-range microwave oven or range hood can be paired using the Bluetooth® feature. To pair those products to the range, press the **Settings** pad and select **Bluetooth®**. Select **Pair** and follow the corresponding instructions included with the mating Bluetooth® enabled product. The range will cancel pairing mode after two minutes if no mating device is detected. Select **Remove** to confirm product is paired or to un-pair from range.

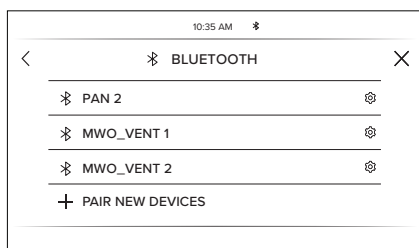
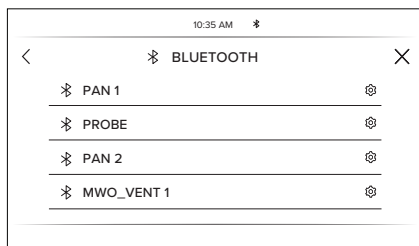
1. Touch **Gear** for Settings Menu.
2. Touch **Bluetooth** in Settings Menu.

When no device is paired, the range will search automatically. This will timeout after 2 minutes if no device is found.



3. Follow the instructions for device you wish to pair.
 - a. **For Chef Connect** - Follow the instructions on the mating Chef Connect enabled product. When a Chef Connect product is paired, the Clock time of day will sync automatically across products.
 - b. **For Precision Probe** - Press side button once.
 - c. **For Hestan Cue® cookware** - Firmly double tap the black plastic endcap.

When devices are paired, they appear in a list that scrolls.

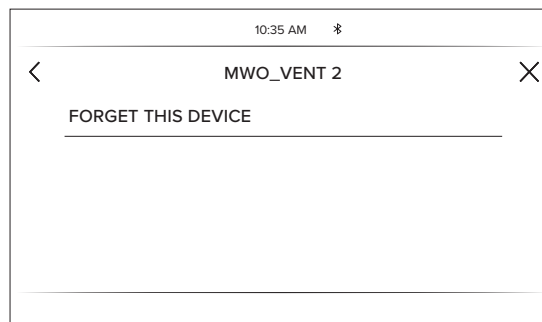


To pair a new Bluetooth device:

1. Scroll down the list to + PAIR NEW DEVICE to add another.

To remove a Bluetooth device:

1. Touch the device name.
2. Touch **FORGET THIS DEVICE**.



Display

This screen shows the options for brightness, clock off, and energy saver. Clock off will remove the clock from the display when the screen is inactive, but it will be shown after pressing the screen.

Cooking

- The oven is set to Fahrenheit, however, in this setting the cooking unit can be changed to Celsius.
- Auto Recipe Conversion can be turned on in order to automatically reduce the programmed cooking temperature for Convection Bake or Convection Bake Multi. Note that this will only reduce the cooking temperature, not the baking time. When the 12 Hour Shut Off option is turned on, it will automatically shut off the oven after 12 hours of continuous use.
- Adjust Temperature allows the oven temperature to be adjusted up to 35°F hotter or down to 35°F cooler. Use this feature if you believe your oven temperature is too hot or cold and wish to change it. For double ovens, the upper and lower oven temperatures are adjusted separately.

System


This screen allows you to clear your saved user data and shows the current software version.

Sabbath


Sabbath mode disables the oven lights (the oven light will not turn on when the door is opened), all sounds (the control will not beep when the screen is pressed), Convection modes, Broil modes, Warm, Proof, and all time functions. Sabbath mode can only be used with traditional Bake. This feature conforms to Jewish Sabbath requirements.

NOTE: If a power outage occurs during when the oven is in Sabbath Mode, the unit will return to Sabbath Mode when power is restored.

Entering Sabbath Mode

Press the  on the main screen to access the Settings menu and scroll down to Sabbath.

Start a Sabbath Bake

Use the keypad on the screen to enter the temperature that you would like to use for Sabbath Bake. Once the temperature is set, press the  to set the cook time for the cycle in hours and minutes. If using a double oven, you can then set the temperature and time desired for the other cavity by selecting it to the left of the temperature display. If a timer is not set, the oven will start a bake cycle during Sabbath mode and continue until Sabbath mode is turned off. Once you have programmed the temperature and time, press **Start**. The next screen will display the settings that you programmed for your Sabbath Bake.

Adjusting the Temperature During a Sabbath Bake

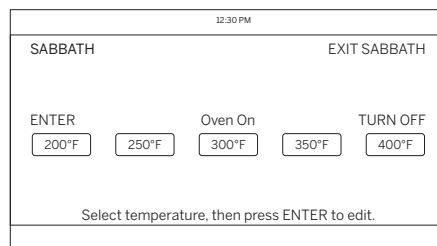
If the temperature needs to be adjusted after programming the oven for a Sabbath Bake, press one of the temperature icons displayed on the Sabbath cycle screen and press **Enter**. This will allow you to adjust the temperature for the cycle. Note that the display will not show that the oven temperature has been changed.

Exit the Sabbath Mode

To exit Sabbath mode, either press the **X** in the upper right corner if in the programming screen, or press **Exit Sabbath** if in the cycle screen. There is also an option to turn off the cycle when on the cycle screen by pressing **Turn Off**, but your oven will still remain in Sabbath mode until you exit the mode. **NOTE:** If a power outage occurs while the oven is in Sabbath Mode, the unit will return to Sabbath Mode when power is restored, however the oven will return to the off state even if it was in the middle of a bake cycle when the power outage occurred.



Programming Screen



Sabbath Cycle Screen

Oven Racks

Recommended rack positions for various types of foods are provided in the Cooking Guide. Adjusting rack position is one way to impact cooking results. For example, if you would prefer darker tops on cakes, muffins, or cookies, try moving food one rack position higher. If you find foods are too brown on top try moving them down next time.

When baking with multiple pans and on multiple racks, ensure there is at least 1½" between pans to allow sufficient space for air to flow.

Your Oven may have extension racks and/or traditional flat racks.

To avoid possible burns, place the racks in the desired position before you turn the oven on.

Extension Racks

Always pull the rack out by its upper front rail to its fully open position, when placing or removing cookware.

If extension racks are difficult to extend, lubricate the racks with the graphite lubricant provided with your oven. Remove the rack from the oven, remove debris in the side tracks with a paper towel, shake the graphite lubricant and place 4 small drops on the two bottom tracks of the left and right sides. Open and close the rack several times to distribute the lubricant.

To order additional graphite lubricant, see the Accessories and Consumer Support sections at the end of this manual.

To Remove An Extension Rack:

1. Make sure the rack is pushed all the way into the oven so that side paddles on the rack disengage from the oven support.
2. Slide the rack toward you to the bump (stop position) on the rack support.
3. Firmly grasp both sides of the rack frame and the sliding rack, tilt the front end up and pull it out.

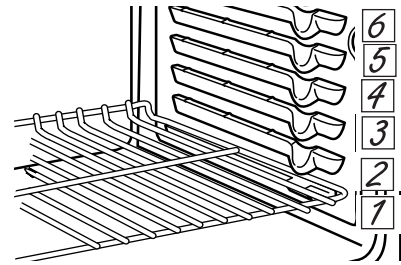
To Replace An Extension Rack:

1. Firmly grasp both sides of the rack frame and the sliding rack.
2. Place the curved end of the rack (stop-locks) onto the oven supports, tilt up the front of the rack and push it in as far as it will go.

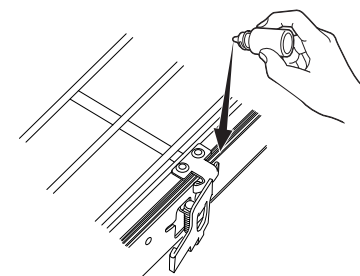
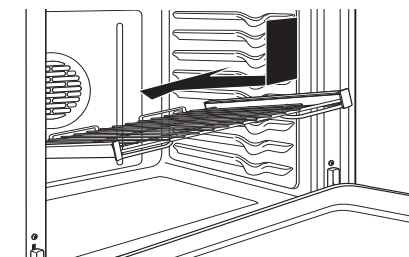
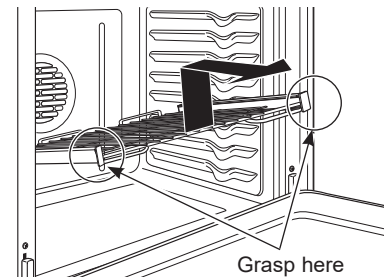
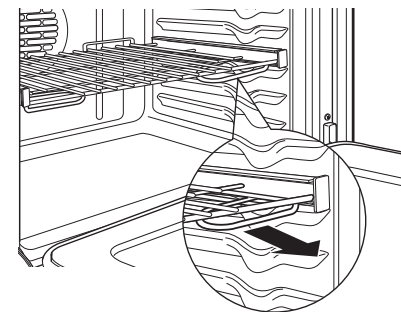
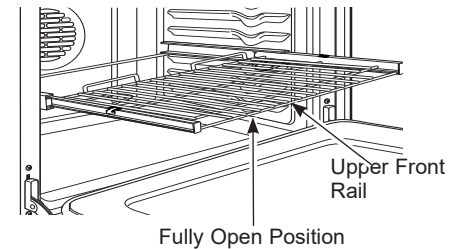
If extension racks are difficult to replace or remove, wipe the oven rack supports with vegetable oil. Do not wipe oil on the rack slides.

To Lubricate the Paddle:

Shake lubricant and apply to the moving parts of the paddle mechanisms as shown.



The number of rack positions may vary by model.



Aluminum Foil and Oven Liners

⚠ CAUTION

Do not use any type of foil or oven liner to cover the oven bottom. These items can trap heat or melt, resulting in damage to the product and risk of shock, smoke or fire. Damage from improper use of these items is not covered by the product warranty.

Foil may be used to catch spills by placing a sheet on a lower rack, several inches below the food. Do not use more foil than necessary and never entirely cover an oven rack with aluminum foil. Keep foil at least 1-1/2" from oven walls to prevent poor heat circulation.

Cookware

Cookware Guidelines

The material, finish, and size of cookware affect baking performance.

Dark, coated and dull pans absorb heat more readily than light, shiny pans. Pans that absorb heat more readily can result in a browner, crisper, and thicker crust. If using dark and coated cookware check food earlier than minimum cook time. If undesirable results are obtained with this type of cookware consider reducing oven temperature by 25°F next time.

Shiny pans can produce more evenly cooked baked goods such as cakes and cookies.

Glass and ceramic pans heat slowly but retain heat well. These types of pans work well for dishes such as pies and custards.

Air insulated pans heat slowly and can reduce bottom browning.

Keep cookware clean to promote even heating.

Stoneware heats slowly and retains heat well. It is recommended to preheat this type of cookware if possible. Additional cook time may be required.

Cooking Modes

Your new oven has a variety of cooking modes to help you get the best results. These modes are described below. Refer to the Cooking Guide section for recommendations for specific foods. Remember, your new oven may perform differently than the oven it is replacing.

Temperature Setting

When selecting a temperature, the traditional preset temperatures are shown and can be selected by scrolling horizontally and selecting the desired temperature. If you wish to cook at an alternate temperature, press the temperature in the middle of the screen and a number pad will appear so the desired temperature can be input.

Bake

The traditional bake mode is intended for single rack cooking. This mode uses heat primarily from the lower element but also from the upper element to cook food. To use this mode press the **Bake** option on the main menu and scroll to the desired temperature and press **Start**. Preheating is generally recommended when using this mode.

Broiling Modes

Always broil with the door closed. The broil element in this oven is very powerful. Monitor food closely while broiling. Use caution when broiling on upper rack positions as placing food closer to the broil element increases smoking, spattering, and the possibility of fats igniting. **Broiling on rack position 6 is not recommended.**

Broiling can be used for foods that would typically be grilled. Adjust the rack position in order to vary the intensity of the heat to the food. Place foods closer to the broil element when a seared surface and rare interior are desired. For best performance, center the food below the broil heating element.

Broil

Select **Broil** on the main menu, then select **High** or **Low** depending on the amount of searing and the internal temperature that is preferred. The High setting is best for thinner cuts of meat and/or foods you prefer less done on the interior. The Low setting is preferred for thicker cuts of meat and foods you like to be cooked all the way through. It is not necessary to preheat the oven for these modes.

Convection Modes

These modes utilize heat from the traditional upper and lower elements combined with the convection element and consistent airflow to enhance evenness. Your oven is equipped with Auto Recipe Conversion so that it automatically adjusts the amount of heat to maintain the proper temperature when using the modes with specified temperatures. Preheating is recommended for these modes.

Cooking Modes (Cont.)

Convection Bake Multi Rack

This mode has been designed to allow for more even cooking when multiple racks are utilized. Baking time may be slightly longer than what would be expected for a single rack. To use this mode, select **Convect**, then **Bake Multi-Rack**, scroll to the desired temperature, and press **Start**. Preheating is generally recommended when using this mode.

Convection Roast

This mode is intended for roasting whole cuts of meat on a single rack. The utilization of all three elements and direct airflow down from the top of the oven improves browning and reduces cooking time. Check food earlier than the recipe suggests or use the probe when using this mode. To use this mode, select **Convect**, then press **Roast**, scroll to the desired temperature, and press **Start**.

Proof

Proof mode is designed for rising (fermenting and proofing) bread doughs. Press the **More** option on the main menu, then **Proof**, then **Start**. Cover dough well to prevent drying out. Bread will rise more rapidly than at room temperature. **NOTE:** Do not use the Proof mode for warming food or keeping food hot. The proofing oven temperature is not hot enough to hold foods at safe temperatures.

Warm

Warm mode is designed to keep hot foods at a higher temperature for up to 3 hours. To use this mode, select **More** from the main menu, then **Warm**, then press **Start**. Preheating is not required. Do not use warm to heat cold food other than crisping crackers, chips, or dry cereal. It is also recommended that food not be kept warm for more than 2 hours.

Precision Cooking

These modes provide guidance or pre-set cooking algorithms to assist the user in cooking various types of

food. The selection you make in the Precision Cooking menu will guide you to input the information required to help cook your food. At the end of estimated cooking time, check the food to see if it is done to your liking. Note that differences in food shape, preparation and preferences for doneness can impact the time required to cook the food.

Some cycles require the food temperature probe supplied with your oven. The target temperature for the probe is automatically set based on selections made for each food. Always check foods using a secondary food thermometer as probe placement can impact the measured temperature. See Probe section for more details on using and positioning the probe properly.

On some pages ⓘ will show up. Press ⓘ to access additional information that pertains to the cooking cycles within that category.

Additional cycles will be available through software updates. Connect your oven to have access to these updates. See the Wi-Fi Connect section for details on how to connect your oven.

Pre-Heat

Proper preheating ensures that the oven is hot enough to begin baking. Improper preheating (that is, cooking in the oven that has not come up to set temperature) can negatively affect cooking. Depending on the recipe recommendations, the temperature of your foods when they go into the oven may determine your final baking time and baking results; if you put your food, such as biscuits or breads, in during Pre-heat, they may over brown on top or burn.

IMPORTANT: The more items to be heated in the oven during preheat (this includes multiple racks, baking stones, etc.) will affect the length of your pre-heat time. Always begin baking after the pre-heat signal. The signal will be a beep, indicator light or chime. This lets you know your oven is at your needed baking temperature. For best results, turn the oven On before you begin your prep work.

Oven Door Camera

The **Oven Door Camera** allows for remote viewing of the center of the oven cavity using the SmarthQ mobile app. Download the SmarthQ mobile app and follow instructions in the SmarthQ mobile app to connect your range. From the app's home page, select your range, then tap on the camera icon to start the camera stream to your smart device.

The oven lights will illuminate while the camera is streaming. The camera stream will stop if the oven door is opened, and is not allowed during certain modes such as Proof and Self Clean.

Smudges on the oven door glass and oven cavity light cover may cause an unclear oven camera image. Refer to Care and Cleaning section for door glass cleaning instructions. For best results, clean door glass immediately after spillage once the oven has cooled.

Probe

⚠ WARNING

Consuming undercooked food can result in foodborne illness. Use probe according to the following instructions to ensure all portions of the food reach minimum safe cooking temperatures. Recommendations for minimum safe food temperatures can be found at foodsafety.gov or IsItDoneYet.gov.

Internal food temperature is frequently used as an indicator of doneness, especially for roasts and poultry. The Probe mode monitors the internal food temperature and turns the oven off when the internal food temperature reaches the programmed temperature.

Always check the temperature at multiple locations in the food with a food thermometer after cooking to ensure that all portions of the food have reached the minimum safe internal temperature for that food.

Proper Probe Placement

After preparing the meat and placing it on the cooking pan follow these instructions for proper probe placement.

- Insert the probe into the food, so that the tip of the probe will rest in the center of the thickest part of the food. For best performance the probe should be fully inserted into the food. If the probe is not located properly, it may not accurately measure the temperature of the coolest portion of the food. Some foods, particularly small items, are not well suited for cooking with the probe due to their shape or size.
- The probe should not touch bone, fat or gristle.
- For whole poultry insert the probe into the thickest part of the breast.
- For boneless roasts, insert the probe into the center of the roast.
- For bone-in ham or lamb, insert the probe into the center of the lowest large muscle or joint.
- For casseroles or dishes such as meatloaf, insert the probe into the center of the dish.
- For fish, insert the probe from just above the gill into the meatiest area, parallel to the backbone.

Probe Usage

To use the probe without preheating:

1. Insert the probe into the food (see Proper Probe Placement).
2. Place the food in the oven and connect the probe into the probe outlet in the oven.
3. Select the desired cooking mode and temperature. Before pressing start, press the **Probe** icon at the bottom left of the screen. The probe setting screen will be displayed. Enter the desired internal food temperature and press **Start**. The probe temperature can be set between 100°F and 200°F.

To use the probe with preheating:

1. Press the desired cook mode (**Traditional Bake**, **Convection Bake**, or **Convection Roast**) pad and enter the desired cooking temperature.
2. Insert the probe into the food (see Proper Probe Placement).
3. Once the oven is preheated, place the food in the oven and connect the probe to the probe outlet, making sure it is fully inserted. Use caution, the oven walls and probe outlet are hot.
4. The oven will detect that the probe has been inserted and the probe setting screen will be displayed. Enter the desired internal food temperature and press **Start**. The probe temperature can be set between 100°F and 200°F.

Probe Care Guidelines

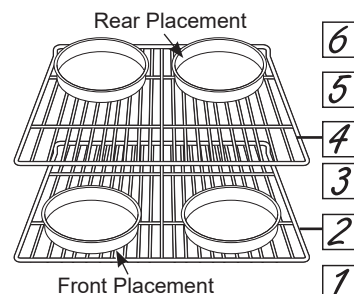
- Use of probes other than the one provided with this product may result in damage to the probe input jack.
- Use the handles of the probe and plug when inserting and removing them from the meat and outlet
- To avoid damaging your probe, do not use tongs to pull on the cable when removing it.
- To avoid breaking the probe, make sure food is completely defrosted before inserting the probe.
- To prevent possible burns, do not unplug the probe from the outlet until the oven has cooled.
- Never leave the probe inside the oven during a self or steam clean cycle.
- Do not store the probe in the oven.

Cooking Guide

FOOD TYPE	RECOMMENDED MODE(S)	RECOMMENDED RACK POSITION(S)	ADDITIONAL SUGGESTIONS
Baked Goods			
Layer cakes, sheet cakes, bundt cakes, muffins, quick breads on a Single Rack	Bake Bake Goods	3	Use shiny cookware.
Layer cakes* on Multiple Racks	Bake Convection Bake	2 and 4	Use shiny cookware. Ensure adequate airflow (see illustration below).
Chiffon cakes (angel food)	Bake Bake Goods	1	Use shiny cookware.
Cookies, biscuits, scones on a Single Rack	Bake Bake Goods	3	Use shiny cookware.
Cookies, biscuits, scones on Multiple Racks	Convection Bake	2 and 4 2, 4, and 6	Use shiny cookware. Ensure adequate airflow.
Yeast Breads	Proof	2 or 3	Cover dough loosely.
	Bake Bake Goods	3	
Beef & Pork			
Hamburgers	Broil High	6	Use a broil pan; move food down for more doneness/less searing. Watch food closely when broiling. For best performance center food below the broil heater.
Steaks & Chops	Broil High	5 or 6	Use a broil pan; move food down for more doneness/less searing. Watch food closely when broiling. For best performance center food below the broil heater.
Roasts	Bake Convection Roast	2 or 3	Use a low sided pan such as a broil pan. Preheating is not necessary.
Poultry			
Whole chicken	Bake Convection Roast	2 or 3	Use a low sided pan such as a broil pan. Preheating is not necessary.
Bone-in chicken breasts, legs, thighs	Broil Low Bake	3	If breaded or coated in sauce avoid Broil High modes. Broil skin side down first. Watch food closely when broiling. For best performance when broiling, center food below the broil heater.
Boneless chicken breasts	Broil Low Bake	3	Move food down for more doneness/less searing and up for greater searing/browning when broiling. For best performance when broiling, center food below the broil heater.
Whole turkey	Bake Convection Roast	1	Use a low sided pan such as a broil pan. Preheating is not necessary.
Turkey Breast	Bake Convection Roast	3	Use a low sided pan such as a broil pan. Preheating is not necessary.
Fish	Broil Low	6 (1/2 inch thick or less) 5 (>1/2 inch)	Watch food closely when broiling. For best performance center food below the broil heater.
Casseroles	Bake	3 or 4	
Frozen Convenience Foods			
Pizza on a Single Rack	Frozen Pizza Single	3	Place food in oven prior to starting mode.
Pizza on Multiple Racks	Frozen Pizza Multi	2 and 4	Stagger pizzas left to right, do not place directly over each other.
Potato products, chicken nuggets, appetizers on a Single Rack	Frozen Snacks Single	4 or 5	Do not preheat. Use dark cookware for more browning/crisping; use shiny cookware for less browning.
Potato products, chicken nuggets, appetizers on Multiple Racks	Frozen Snacks Multi	2 and 4	Use dark cookware for more browning/crisping; use shiny cookware for less browning.

*When baking four cake layers at a time use racks 2 and 4. Place the pans as shown so that one pan is not directly above another.

Cook food thoroughly to help protect against food borne illness. Minimum safe food temperature recommendations for food safety can be found at IsItDoneYet.gov. Make sure to use a food thermometer to take food temperatures.

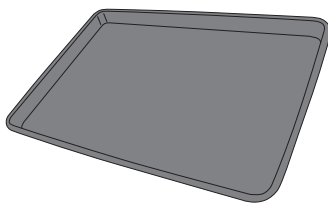


Air Fry Cooking Guide

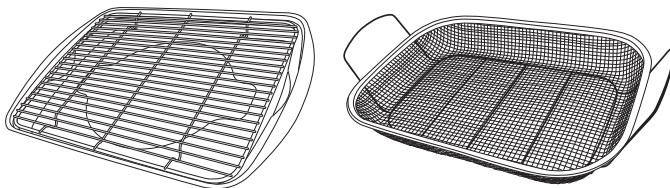
Air Fry is a special, no-preheat, cooking mode that is designed to produce foods with a crispier exterior than traditional oven cooking. Select **Air Fry**, then input the desired set temperature and press **Start**. The temperature can be set between 300°F and 500°F.

Air Fry Cookware Guidelines

- Only use broil safe cookware when using Air Fry mode.
- A dark sheet pan is recommended. A dark pan promotes better browning and crisping.
- Oven baking baskets and baking grids can also be used. A sheet pan should be placed on the rack below the foods to catch any drippings when using a baking basket.



Primary recommended cookware



Alternate cookware options

General Tips for Air Fry Mode

- The Air Fry mode is designed for cooking on a single rack.
- The Air Fry mode is designed to be used without preheating.
- Rack position 4 is recommended for most foods. Use rack position 3 for thicker foods.
- Foods may cook faster than expected if the oven is already hot when food is placed in the oven.
- When air frying foods with sauce, it is recommended to apply the sauce at the end of cooking.
- If foods are browning too quickly, try a lower rack position or lower oven set temperature.
- For packaged foods, use traditional oven cooking instructions for set temperature and expected cook time.
- It is not necessary to flip or stir food during cooking
- Arrange food in a single layer on the pan, do not overload the pan.
- Always check internal food temperature to confirm minimum safe temperatures have been reached. Minimum safe food temperatures can be found on packages and at IsItDoneYet.gov.

FOOD TYPE	RECOMMENDED RACK POSITION(S)	RECOMMENDED SET TEMPERATURES (F°)	RECOMMENDED COOK TIME (MIN)	NOTES
Fresh boneless fish or poultry pieces, breaded such as nuggets, tenders, fillets	4	375-400	15-30	User lower set temperatures for larger pieces. Use shiny cookware.
Fresh bone in chicken wings	4	375-400	25-40	Salt wings or coat in a dry rub, if using sauce apply after cooking or toward the end of cooking
Fresh bone in chicken drumsticks or thighs	3 or 4	375-400	30-55	User lower set temperatures for larger pieces.
Fresh French fries, thin (< ½ inch)	4	400-425	15-30	Parchment paper is recommended when preparing fresh French fries. For crispier fries, toss fries in corn starch or rice flour before cooking.
Fresh French fries, thick (> ½ inch)	3 or 4	375-400	20-35	Parchment paper is recommended when preparing fresh French fries. For crispier fries, toss fries in corn starch or rice flour before cooking.
Frozen packaged foods	3 or 4 (use rack position 3 for thicker foods)	Use traditional oven(not Air Fry) cooking instructions as a guideline for set temperature and cook time. Additional cook time beyond recommended package time may be required for some foods. If oven is hot when starting, food may cook faster than the minimum package time.		

Cleaning the Range – Exterior

Be sure all controls are off and all surfaces are cool before cleaning any part of the range.



⚠ WARNING

If your range is removed for cleaning, servicing or any reason, be sure the anti-tip device is reengaged properly when the range is replaced. Failure to take this precaution could result in tipping of the range and can result in death or serious burns to children or adults.

Control Lockout

If desired, the touch pads may be deactivated before cleaning.

See Lock Controls in the Oven Controls section in this manual.

Clean up splatters with a damp cloth.

You may also use a glass cleaner.

Remove heavier soil with warm, soapy water. Do not use abrasives of any kind.

Reactivate the touch pads after cleaning.

Control Panel

It's a good idea to wipe the control panel after each use. Clean with mild soap and water or vinegar and water, rinse with clean water and polish dry with a soft cloth.

Do not use abrasive cleansers, strong liquid cleansers, plastic scouring pads or oven cleaners on the control panel—they will damage the finish, including Black Stainless Steel.

Oven Exterior

Do not use oven cleaners, abrasive cleaners, strong liquid cleansers, steel wool, plastic scouring pads, or cleaning powders on the exterior of the oven. Clean with a mild soap and water or vinegar and water solution. Rinse with clean water and dry with a soft cloth. When cleaning surfaces, make sure that they are at room temperature and not in direct sunlight.

If stain on the door vent trim is persistent, use a mild abrasive cleaner and a sponge-scrubber for best results.

Spillage of marinades, fruit juices, tomato sauces and basting liquids containing acids may cause discoloration and should be wiped up immediately. Let hot surfaces cool, then clean and rinse.

Painted Surfaces and Fingerprint Resistant Stainless Steel

Painted surfaces include the sides of the range and the door, top of control panel and the drawer front. Clean these with soap and water or a vinegar and water solution.

Do not use commercial oven cleaners, cleaning powders, steel wool or harsh abrasives on any painted surface, including Black Stainless Steel.

Stainless Steel

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

To clean the stainless steel surface, use warm sudsy water or a stainless steel cleaner or polish. Always wipe the surface in the direction of the grain. Follow the cleaner instructions for cleaning the stainless steel surface.

To inquire about purchasing cleaning products including stainless steel appliance cleaner or polish, see the Accessories and Consumer Support sections at the end of this manual.

Cleaning the Range – Interior

The interior of your new oven can be cleaned manually or by using Steam Clean or Self Clean modes.

Spillage of marinades, fruit juices, tomato sauces and basting liquids containing acids may cause discoloration and should be wiped up immediately. Let hot surfaces cool, then clean and rinse.

IMPORTANT: For models with Oven Camera in the door: If door glass or oven cavity light cover is not clean, camera image clarity may be affected. Please follow directions below to properly clean the door glass. For best results, clean door glass and oven light cover immediately after spillage once the oven has cooled.

Manual Cleaning

Do not use oven cleaners (unless certified for self-cleaning oven), abrasive cleaners, strong liquid cleansers, steel wool, or scouring pads on the interior of the oven. For soils on the oven bottom and other enameled surfaces, use a gentle abrasive containing oxalic acid, such as Bar Keepers Friend®, with a non-

scratch sponge. Take care not to apply any abrasive cleaners or sponges to the door glass, as it will scratch the reflective coating. The oven interior and door glass may be cleaned using a soft cloth with a mild soap and water, or vinegar and water solution. After cleaning, rinse with clean water and dry with a soft cloth.

Steam Clean Mode

The Steam Clean feature is for cleaning light soil from your oven at a lower temperature than Self Clean.

To use the Steam Clean feature:

1. Start with the oven at room temperature.
2. Wipe excess grease and soils from the oven.
3. Pour one cup of water onto the bottom of the oven.
4. Close the door.

5. Touch the LCD screen, select **Oven**. Select **More**, and then select **Steam Clean**.

Do not open the door during the 30 minute steam clean as this will decrease the steam clean performance. At the end of the Steam Clean cycle, soak up the remaining water, and wipe the moisture-softened soil from the oven walls and door.

Racks

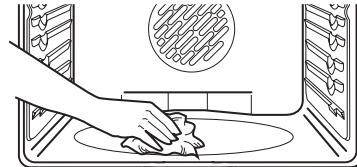
All racks can be washed with warm, soapy water. Enameled (not shiny) racks can be left in the cavity during self clean.

Racks may be more difficult to slide, especially after a self-clean. Put some vegetable oil on a soft cloth or paper towel and rub onto the left and right edges.

Oven Heating Elements

Do not clean the bake element or the broil element. Any soil will burn off when the elements are heated.

The bake element is not exposed and is under the oven floor. Clean the oven floor with warm, soapy water.



Wipe up heavy soil on the oven bottom.

Cleaning the Glass Cooktop

Normal Daily Use Cleaning

For models with Precision Cooktop Sensor on the left front element: ONLY use water and dish detergent on the Precision Cooktop Sensor. Do not use cream based cleaners. Cleaners that have grit can cause build up around sensor and restrict its ability to move freely.

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

1. Before using the cooktop for the first time, clean it with ceramic cooktop cleaner. This helps protect the top and makes cleanup easier.
2. Regular use of ceramic cooktop cleaner will help keep the cooktop looking new.

3. Shake the cleaning cream well. Apply a few drops of a ceramic cooktop cleaner directly to the cooktop.
4. Use a paper towel or non-scratch cleaning pad for Ceramic Cooktops to clean the entire cooktop surface.
5. Use a dry cloth or paper towel to remove all cleaning residue. No need to rinse.

NOTE: It is very important that you DO NOT heat the cooktop until it has been cleaned thoroughly.



For cleaning videos and instructions, scan the QR code with your device.

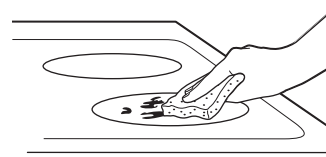
Burned-On Residue

NOTE: DAMAGE to your glass surface may occur if you use scrub pads other than those recommended.

For models with Precision Cooktop Sensor on the left front element: ONLY use non-scratch pads to clean the surface of the Precision Cooktop Sensor. DAMAGE to the sensor surface may occur if you use scrub pads that are abrasive.

1. Allow the cooktop to cool.
2. Spread a few drops of ceramic cooktop cleaner on the entire burned residue area.
3. Using the included non-scratch cleaning pad for ceramic cooktops, rub the residue area, applying pressure as needed.

4. If any residue remains, repeat the steps listed above as needed.
5. For additional protection, after all residue has been removed, polish the entire surface with ceramic cooktop cleaner and a paper towel.



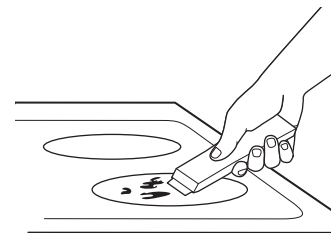
Use a non-scratch cleaning pad for Ceramic Cooktops.

Heavy, Burned-On Residue

For models with Precision Cooktop Sensor on the left front element: ONLY use non-scratch pads to clean the surface of the Precision Cooktop Sensor. DAMAGE to the sensor surface may occur if you use scrub pads that are abrasive.

1. Allow the cooktop to cool.
2. Use a single-edge razor blade scraper at approximately a 45° angle against the glass surface and scrape the soil. It will be necessary to apply pressure to the razor scraper in order to remove the residue.
3. After scraping with the razor scraper, spread a few drops of ceramic cooktop cleaner on the entire burned residue area. Use the non-scratch cleaning pad to remove any remaining residue.

4. For additional protection, after all residue has been removed, polish the entire surface with ceramic cooktop cleaner and a paper towel.



The ceramic cooktop scraper and all recommended supplies are available through our Parts Center. See the Accessories and Consumer Support sections at the end of this manual.

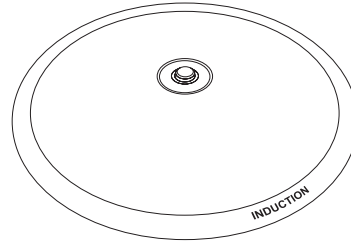
NOTE: Do not use a dull or nicked blade.

Cleaning the Glass Cooktop (Cont.)

Precision Cooktop Sensor

1. Allow cooktop to cool.
2. Apply soapy water to a non-abrasive sponge and spread across any residue on the sensor.
3. Using the sponge, rub the residue area applying pressure as needed
4. If any residue remains, repeat the steps listed above as needed.
5. Wipe the sensor with a wet towel or sponge to remove any soap.
6. Dry the sensor after cleaning using dry towel.

IMPORTANT: Make sure sensor is dry before cooking. If sensor is not clean and dry cooking performance could be affected. Do not use cream based cleaners, abrasive pads or razor blades on sensor surfaces.



Metal Marks and Scratches

1. Be careful not to slide pots and pans across your cooktop. It will leave metal markings on the cooktop surface.
These marks are removable using the ceramic cooktop cleaner with the non-scratch cleaning pad for Ceramic Cooktops.
2. If pots with a thin overlay of aluminum or copper are allowed to boil dry, the overlay may leave black discoloration on the cooktop.

This should be removed immediately before heating again or the discoloration may be permanent.

NOTE: Carefully check the bottom of pans for roughness that would scratch the cooktop.

3. Be careful not to place aluminum baking sheets or aluminum frozen entrée containers on a hot cooktop surface. It will leave shiny dots or markings on the cooktop surface. These markings are permanent and cannot be cleaned off.

Damage from Sugary Spills and Melted Plastic

Special care should be taken when removing hot substances **to avoid permanent damage of the glass surface**. Sugary spillovers (such as jellies, fudge, candy, syrups) or melted plastics can cause pitting of the surface of your cooktop (not covered by the warranty) unless the spill is removed while still hot. Special care should be taken when removing hot substances.

Be sure to use a new, sharp razor scraper.

Do not use a dull or nicked blade.

1. Turn off all surface units. Remove hot pans.
2. Wearing an oven mitt:
 - a. Use a single-edge razor blade scraper to move the spill to a cool area on the cooktop.
 - b. Remove the spill with paper towels.

3. Any remaining spillover should be left until the surface of the cooktop has cooled.
4. Don't use the surface units again until all of the residue has been completely removed.

NOTE: If pitting or indentation in the glass surface has already occurred, the cooktop glass will have to be replaced. In this case, service will be necessary.

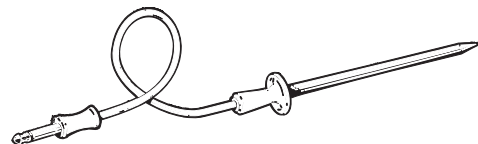
Oven Probe

The temperature probe may be cleaned with soap and water or a soap-filled scouring pad. Cool the temperature probe before cleaning. Scour stubborn spots with a soap-filled scouring pad, rinse and dry.

To order additional temperature probes, see the Accessories and Consumer Support sections at the end of this manual.

- Do not immerse the temperature probe in water.

- Do not store the temperature probe in the oven.
- Do not leave the temperature probe inside the oven during a self or steam clean cycle.



Oven Light

⚠ WARNING SHOCK OR BURN HAZARD: Before replacing oven light bulb, disconnect the electrical power to the range at the main fuse or circuit breaker panel. Failure to do so may result in electric shock or burn.

⚠ CAUTION BURN HAZARD: The glass cover and bulb should be removed when cool. Touching hot glass with bare hands or a damp cloth can cause burns.

Oven Light Replacement (on some models)

To remove:

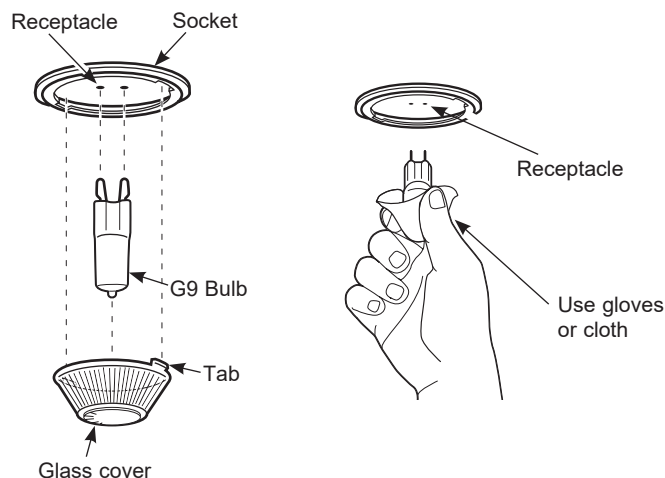
1. Turn the glass cover counterclockwise 1/4 turn until the tabs of the glass cover clear the grooves of the socket. Wearing latex gloves may offer a better grip.
2. Using gloves or a dry cloth, remove the bulb by pulling it straight out.

To replace:

1. Use a new 120/130-volt halogen bulb, not to exceed 50 watts. Replace the bulb with the same type of bulb that was removed. Be sure the replacement bulb is rated 120 volts or 130 volts (NOT 12 volts).
2. Using gloves or a dry cloth, remove the bulb from its packaging. Do not touch the bulb with bare fingers. Oil from skin will damage the bulb and shorten its life.
3. Push the bulb straight into the receptacle all the way.
4. Place the tabs of the glass cover into the grooves of the socket. Turn the glass cover clockwise 1/4 turn.

For improved lighting inside the oven, clean the glass cover frequently using a wet cloth. This should be done when the oven is completely cool.

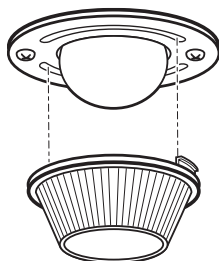
5. Reconnect electrical power to the oven.



Oven Light Replacement (on some models)

To remove:

1. Turn the glass cover counterclockwise 1/4 turn until the tabs of the glass cover clear the grooves of the socket. Wearing latex gloves may offer a better grip.
2. Remove the bulb by turning it counter-clockwise.



To replace:

1. Replace bulb with a new 40-watt appliance bulb. Insert the bulb and turn it clockwise until it is tight.
2. Place the tabs of the glass cover into the grooves of the socket. Turn the glass cover clockwise 1/4 turn.

For improved lighting inside the oven, clean the glass cover frequently using a wet cloth. This should be done when the oven is completely cool.

3. Reconnect electrical power to the oven.

Oven Light Replacement (on some models)

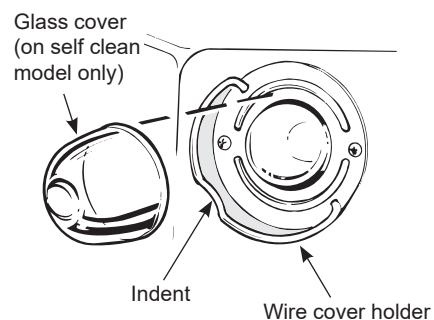
The oven light bulb is covered with a removable glass cover that is held in place with a bail-shaped wire. Remove the oven door, if desired, to reach the cover easily. See the Lift-Off Oven Door section for detailed oven door removal instructions.

Replacing the Light Bulb:

1. Disconnect electrical power to the range.
2. Hold the glass cover stable, so it doesn't fall when released.
3. Slide near the indent of the cover holder until the cover is released. **Do not remove any screws to release the glass cover.**
4. Replace bulb with a 40-watt household appliance bulb. **Do not touch hot bulb with hand or wet cloth. Only remove bulb when it is cool.**
5. Hold glass cover stable over new bulb.

6. Pull the wire cover holder near the indent until the indent in the wire cover holder is located in the indent of the glass cover.

7. Connect electrical power to range.



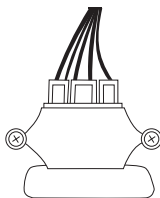
Oven Door

Lift-Off Lower Oven Door

The door is very heavy. Be careful when removing and lifting the door.

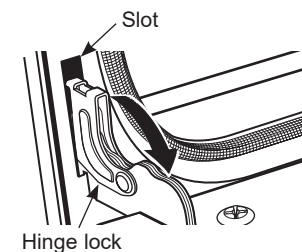
Do not lift the door by the handle.

For models with oven camera, the camera harness must be removed before removing the door. Open the warming drawer and disconnect the camera harness by unhooking the connector that is snapped into the front frame bracket before door removal.

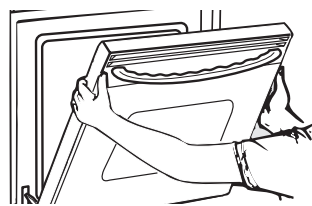


To remove the door:

1. Fully open the door.
2. Pull the hinge locks down toward the door frame, to the unlocked position. A tool, such as a small flat-blade screwdriver, may be required.
3. Firmly grasp both sides of the door at the top.
4. Close door to the door removal position. The door should be open approximately 3" with no obstruction above the door.



Pull hinge locks down to unlock

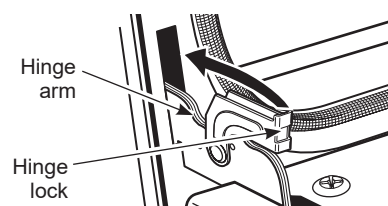


Removal position

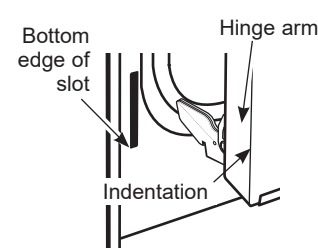
5. Lift door up and out until both hinge arms are clear of the slots.

To replace the door:

1. Firmly grasp both sides of the door at the top.
2. Starting on the left side, with the door at the same angle as the removal position, seat the indentation of the hinge arm into the bottom edge of the hinge slot. The notch in the hinge arm must be fully seated into the bottom of the slot. Repeat for right side.
3. Fully open the door. If the door will not fully open, the indentation is not seated correctly in the bottom edge of the slot.
4. Push the hinge locks up against the front frame of the oven cavity, to the locked position.
5. Close the oven door.



Push hinge locks up to lock



Soft Close Drawer

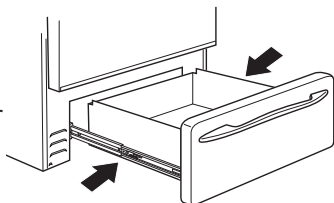
The storage drawer is a good place to store cookware and bakeware. Do not store plastics or flammable material in the drawer.

The storage drawer may be removed for cleaning under the range. Clean the storage drawer with a damp cloth or sponge. Never use harsh abrasives or scouring pads.

Your storage drawer has metal rails.

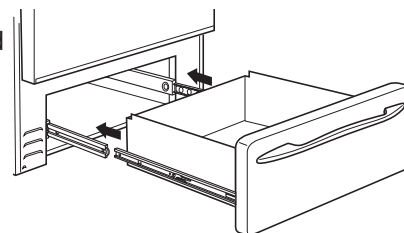
To remove the drawer:

1. Pull drawer straight out until it stops.
2. Press the left rail release in and press the right rail release in, while pulling the drawer forward and free.



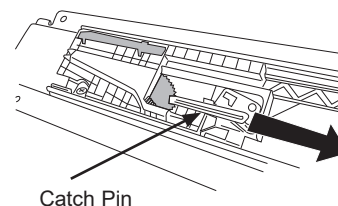
To replace the drawer:

1. Place the left drawer rail around the inner left rail guide and slide it in slightly to hook it.
2. Place the right drawer rail around the inner right rail guide and slide it in slightly to hook it.
3. Slide the drawer all the way in.



In rare cases, the soft close mechanism may become uncoupled from the drawer. To reset the mechanism:

1. Remove the drawer.
2. Slide the catch pin forward, both sides as applicable.
3. Reinstall the drawer.



Troubleshooting Tips ... Before you call for service

Save time and money! Review the charts on the following pages first and you may not need to call for service. Check out self-help videos and FAQ at GEAppliances.com/support.

Problem	Possible Cause	What To Do
Surface units do not work properly or flashing power setting.	Improper cookware being used.	Wrong pan type. Use a magnet to check that cookware is induction-compatible. Use a flat induction-capable pan that meets the minimum size for the element being used. See the Pan size and shape section.
	Pan is too small.	Pan size is below the minimum size for the element. See the Pan size and shape section. Use smaller element.
	Pan not positioned correctly.	Center the pan in the cooking zone.
	Pan is not in full contact with glass surface.	Pan must be flat.
	In some areas, the power (voltage) may be low.	Cover pan with a lid until desired heat is obtained.
	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	Cooktop controls improperly set.	Check to see that the control is set properly. Press On then + or - .
Surface unit setting changed or turned off unexpectedly.	High cooktop temperature.	Allow the internal fan to cool the cooktop. Check if pan boiled dry.
Scratches (may appear as cracks) on cooktop glass surface.	Incorrect cleaning methods being used.	Scratches are not removable. Tiny scratches will become less visible in time as a result of cleaning.
	Cookware with rough bottoms being used or coarse particles (salt or sand) were between the cookware and the surface of the cooktop. Cookware has been slid across the cooktop surface.	To avoid scratches, use the recommended cleaning procedures. Make sure bottoms of cookware are clean before use, and use cookware with smooth bottoms.
Areas of discoloration on the cooktop.	Food spillovers not cleaned before next use.	See the Cleaning the glass cooktop section.
	Hot surface on a model with a light-colored cooktop.	This is normal. The surface may appear discolored when it is hot. This is temporary and will disappear as the glass cools.
Plastic melted to the surface.	Hot cooktop came into contact with plastic placed on the hot cooktop.	See the Glass surface—potential for permanent damage section in the Cleaning the glass cooktop section.
Pitting (or indentation) of the cooktop.	Hot sugar mixture spilled on the cooktop.	Call a qualified technician for replacement.
My new oven doesn't cook like my old one. Is something wrong with the temperature settings?	Your new oven has a different cooking system from your old oven and therefore may cook differently than your old oven.	For the first few uses, follow your recipe times and temperatures carefully. If you still think your new oven is too hot or too cold, you can adjust the temperature yourself to meet your specific cooking preference. NOTE: This adjustment affects Bake, and Convection Bake temperatures; it will not affect Broil or Clean.
Food does not bake properly.	Oven controls improperly set.	See the Cooking Modes section.
	Rack position is incorrect or rack is not level.	See the Cooking Modes section and Cooking Guide.
	Incorrect cookware or cookware of improper size being used.	See the Cookware section.
	Oven temperature needs adjustment.	See the Special Features section.
	Ingredient substitution.	Substituting ingredients can change the recipe outcome.
Food does not broil properly.	Oven controls improperly set.	Make sure you select the appropriate broil mode.
	Improper rack position being used.	See Cooking Guide for rack location suggestions.
	Food being cooked in a hot pan.	Make sure cookware is cool.
	Cookware not suited for broiling.	Use a pan specifically designed for broiling.
	The probe is plugged into the outlet in the oven.	Unplug and remove the probe from the oven.
	Aluminum foil used on the broiling pan and grid has not been fitted properly and slit as recommended.	If using aluminum foil conform to pan slits.
	In some areas the power (voltage) may be low.	Preheat the broil element for 10 minutes.
Oven temperature too hot or too cold.	Oven temperature needs adjustment.	See the Special Features section.

Troubleshooting Tips ... Before you call for service

Problem	Possible Cause	What To Do
Oven does not work or appears not to work.	Plug on range is not completely inserted in the electrical outlet.	Make sure electrical plug is plugged into a live, properly grounded outlet.
	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	Oven controls improperly set.	See the Using the Oven section.
	Oven is in Sabbath Mode.	Verify, that the oven is not in Sabbath Mode. See the Special Features section.
"Crackling" or "popping" sound.	This is the sound of the metal heating and cooling during both the cooking and cleaning functions.	This is normal.
Why is my range making a "clicking" noise when using my oven?	Your range cycles the heating elements by turning relays on and off to maintain the oven temperature.	This is normal.
Clock and timer do not work.	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	Plug on range is not completely inserted in the electrical outlet.	Make sure electrical plug is plugged into a live, properly grounded outlet.
	Oven controls improperly set.	See the Using the kitchen timer section.
Storage drawer won't close	Power cord may be obstructing drawer in the lower back of the range.	Reposition the drawer and power cord. See the Storage Drawer Removal instructions in the Care and cleaning of the range section.
	Rear drawer support is on top of the guide rail.	Reposition the drawer. See the Storage Drawer Removal instructions in the Care and cleaning of the range section.
Oven door is crooked.	The door is out of position.	Because the oven door is removable, it sometimes gets out of position during installation. To straighten the door, re-install the door. See the "Lift-Off Oven Door" instructions in the "Care and Cleaning" section.
Oven light does not work.	Light bulb is loose or defective.	Tighten or replace bulb.
	Pad operating light is broken.	Call for service.
Oven will not self-clean.	The temperature is too high to set a self-clean operation.	Allow the oven to cool and reset the controls.
	Oven controls improperly set.	See the Cleaning the Oven section.
	The probe is plugged into the outlet in the oven.	Remove the probe from the oven.
Oven will not steam clean.	Display flashes HOT.	Allow the oven to cool to room temperature and reset the controls.
	Oven controls improperly set.	See the Using Steam Clean section.
	Oven door is not closed.	Make sure you close the door to start steam clean cycle.
Excessive smoking during clean cycle.	Excessive soil or grease.	Press the Cancel/Off pad. Open the windows to rid the room of smoke. Wait until the LOCKED light goes off. Wipe up the excess soil and reset the clean cycle.
Excessive smoking during broiling.	Food too close to burner element.	Lower the rack position of the food.
Oven door will not open after a clean cycle.	Oven too hot.	Allow the oven to cool below locking temperature.
Oven not clean after a clean cycle.	Oven controls improperly set.	See the Cleaning the Oven section.
	Oven was heavily soiled.	Clean up heavy spillovers before starting the clean cycle. Heavily soiled ovens may need to self-clean again or for a longer period of time.
"LOCK DOOR" flashes in the display.	The self-clean cycle has been selected but the door is not closed.	Close the oven door.
DOOR LOCK light is on when you want to cook.	The oven door is locked because the temperature inside the oven has not dropped below the locking temperature.	Press the Cancel/Off pad. Allow the oven to cool.

Troubleshooting Tips ... Before you call for service

Problem	Possible Cause	What To Do
“F— and a number or letter” flash in the display.	You have a function error code.	Press the Cancel/Off pad. Allow the oven to cool for one hour. Put the oven back into operation.
	If the function code repeats.	Disconnect all power to the oven for at least 30 seconds and then reconnect power. If the function error code repeats, visit GEAppliances.com/service .
Display goes blank.	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	The clock is turned off.	See the Special features section.
	Oven is in Sabbath Mode.	Verify that the oven is not in Sabbath Mode. See the Special Features section.
Oven or cooktop will not stay set.	Function error.	Disconnect all power for at least 30 seconds and then reconnect power. If repeating, visit GEAppliances.com/service .
Power outage, clock flashes.	Power outage or surge.	Reset the clock. If the oven was in use, you must reset it by pressing the Cancel/Off pad, setting the clock and resetting any cooking function.
“Burning” or “oily” odor emitting from the vent.	This is normal in a new oven and will disappear in time.	To speed the process, set a self-clean cycle for a minimum of 3 hours. See the Cleaning the Oven section.
Strong odor.	An odor from the insulation around the inside of the oven is normal for the first few times the oven is used.	This is temporary and will go away after several uses or a self-clean cycle.
Fan noise.	A convection fan may automatically turn on and off.	This is normal. The fan is designed to operate intermittently to maximize cooking evenness. The convection fan will operate during preheat of the bake cycle. The fan will turn off after the oven is heated to the set temperature. This is normal.
	A cooling fan may automatically turn on and off.	This is normal. The cooling fan will turn off and on to cool internal parts. It may run after the oven is turned off.
My oven door glass appears to be “tinted” or have a “rainbow” color. Is this defective?	No. The inner oven glass is coated with a heat barrier to reflect the heat back into the oven to prevent heat loss and keep the outer door cool while baking.	This is normal. Under certain light or angles, you may see this tint or rainbow color.
Sometimes the oven takes longer to preheat to the same temperature.	Cookware or food in oven.	The cookware or food in the oven will cause the oven to take longer to preheat. Remove items to reduce preheat time.
	Number of racks in oven.	Adding more racks to the oven will cause the oven to take longer to preheat. Remove some racks.
	Different cooking modes.	The different cooking modes use different preheat methods to heat the oven for the specific cooking mode. Some modes will take longer than others (i.e. convection bake).
Display flashes.	Power failure.	Reset the clock.
Control signals after entering cooking time or start time.	You forgot to enter a bake temperature or cleaning time.	Touch the Bake pad and desired temperature or the Self Clean pad and desired clean time.
Unable to set cook time or delay time	You forgot to enter a cooking mode first.	See the Options section
Oven racks are difficult to slide.	The shiny, silver-colored racks were cleaned in a self-clean cycle.	Apply a small amount of vegetable oil to a paper towel and wipe the edges of the oven racks with the paper towel. Do not spray with Pam® or other lubricant sprays.
Drawer does not slide smoothly or drags	The drawer is out of alignment.	Fully extend the drawer and push it all the way in See the Care and cleaning of the range section.
	Drawer is over-loaded or load is unbalanced.	Reduce weight. Redistribute drawer contents.
Steam from the vent.	When using the ovens, it is normal to see steam coming out of the oven vents. As the number of racks or amount of food being cooked increases, the amount of visible steam will increase.	This is normal.
Water remaining on oven floor after Steam Clean cycle.	This is normal.	Remove any remaining water with a dry cloth or sponge.
“Probe” appears in the display.	This is reminding you to enter a probe temperature after plugging in the probe.	Enter a probe temperature.
Oven will not work remotely	Router issues, no wireless signal, etc.	For assistance with oven wireless network connectivity, please call 1-800-220-6899.
	Oven is not connected.	
	Remote enable is off	Turn remote enable on (see Settings section of this manual)

Troubleshooting Tips ... Before you call for service

Problem	Possible Cause	What To Do
Precision probe actual temperature is not stable while charger is inserted	Electrical noise is impacting the signal.	Probe should be charged before cooking. Do not leave probe plugged in while cooking.
My precision probe JXSOUV1 won't pair	Existing precision probes are not compatible with new features.	Connect a model compatible precision probe.
My precision probe is not accurately maintaining low temperatures	The pot size, pot set-up, and/or burner size you are using may be unsuitable to hold low temperatures.	Remove the lid, use a larger diameter pot, or use a smaller burner. Please keep your unit connected and install upcoming updates to improve performance.
Pan won't pair or activate when tapping handle	Tapping force is too light.	Double tap the pan with firm taps (or knock) on the black plastic endcap.
	Battery in pan is low or dead.	Replace AAA battery, installing with positive end out of handle.
	Using different pan hardware.	Check that your pan has a black endcap that unscrews from the end of the handle. Pans with an oval module reading "Hestan Cue®" will not work with Café appliances.
Experiencing performance or minor technical issues including seeing 20°F or 100°F as set temperature	Old unit or pan software.	Connect your unit to the SmarthQ mobile app and update unit software. Connect your unit and pan to the Hestan Smart Cooking app and update pan software.
The unit cancelled my precision cooking mode	Battery in device is low or dead.	Replace AAA battery in pan, or charge probe.
	Old unit or pan software.	Connect your unit to the SmarthQ mobile app and update unit software. Connect your unit and pan to the Hestan Smart Cooking app and update pan software.
	Your precision cooking device has gone out of range.	This could indicate a problem with the device. If the problem persists, please contact the device manufacturer.
	Your precision cooking device had a computation malfunction.	
	The unit lost communication with your precision cooking device.	This could indicate a problem with the device or the unit. If the problem persists, please contact the device or unit manufacturer.
	Some cooking techniques and set temperatures in combination may trigger a fault in the temperature sensing algorithm.	Re-start the precision cooking mode and if problem persists under the same conditions but is not consistent in other use cases, contact the unit manufacturer.
Unable to reach set temperature in Precision Cooking mode	Boiling water or cooking liquid based foods at high temperatures will result in temperature stalls close to the set temperature.	Use temperature settings for pan frying, sautéing, and searing when using Hestan Cue cookware or built-in conventional Precision Cooktop Sensor. The Precision Cooking Probe accessory can be used to control liquid temperatures between 100-200 degrees F for slow cooking, simmering, and advanced cooking techniques like Sous Vide.
Hestan Cue cookware battery life does not last as long as expected	Limitation of Hestan Cue cookware design	Replace battery
Oven camera image is not clear	Oven door glass is dirty	Follow directions in Care and Cleaning section to properly clean oven door glass.
No image on oven camera app	Camera cable unplugged	Check to make sure camera cable is plugged into bottom of door.
Camera stream color fluctuates between red and green tint	Auto white balancing of camera	if fluctuation occurs for longer than 30 seconds, reach out to service. If internet connection is suboptimal, you may experience frequent resetting of the camera stream, which will trigger color fluctuation
Reflection of the kitchen or reflections of the door mask pattern are visible in the camera image.	Reflections are likely when kitchen has very bright lighting that shines onto the oven door or onto surfaces in front of the oven.	Dim kitchen lights and or close window blinds when using the oven camera. If lighting modification is not possible, then a kitchen towel could be hung off door handle to block ambient light.
Camera stops and starts intermittently while streaming. Sometimes stream is disconnected and must be manually restarted.	Poor/suboptimal internet connection	Check internet connection. If internet connection is suboptimal, you may experience frequent resetting of the camera stream
Camera image appears darker than when camera stream started	Optimized camera settings need to be re-set	Open and close oven door or STOP and restart camera stream.

GE Appliances Electric Range Limited Warranty

GEAppliances.com

All warranty service is provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service online, visit us at **GEAppliances.com/service**, or call GE Appliances at 800.GE.CARES (800.432.2737). Please have your serial number and your model number available when calling for service.

Servicing your appliance may require the use of the onboard data port for diagnostics. This gives a GE Appliances factory service technician the ability to quickly diagnose any issues with your appliance and helps GE Appliances improve its products by providing GE Appliances with information on your appliance. If you do not want your appliance data to be sent to GE Appliances, please advise your technician not to submit the data to GE Appliances at the time of service.

For the period of	GE Appliances will replace
One year From the date of the original purchase	Any part of the range which fails due to a defect in materials or workmanship. During this limited one-year warranty , GE Appliances will provide, free of charge , all labor and in-home service to replace the defective part.

What GE Appliances will not cover:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, modified or used for other than the intended purpose or used commercially.
- Damage to the glass cooktop caused by use of cleaners other than the recommended cleaning creams and pads.
- Damage to the glass cooktop caused by hardened spills of sugary materials or melted plastic that are not cleaned according to the directions in the Owner's Manual.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Damage to finish, such as surface rust, tarnish, or small blemishes not reported within 48 hours of delivery.
- Incidental or consequential damage caused by possible defects with this appliance.
- Damage caused after delivery.
- Product not accessible to provide required service.
- Service to repair or replace light bulbs, except for LED lamps.
- Effective January 1, 2022, cosmetic damage to the glass cooktop such as, but not limited to, chips, scratches, or baked on residue not reported within 90 days of installation.
- Effective January 1, 2022, damage to the glass cooktop due to impact or misuse. See example.



EXCLUSION OF IMPLIED WARRANTIES

Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This limited warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. If the product is located in an area where service by a GE Appliances Authorized Servicer is not available, you may be responsible for a trip charge or you may be required to bring the product to an Authorized GE Appliances Service location for service. In Alaska, the limited warranty excludes the cost of shipping or service calls to your home.

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

Warrantor: GE Appliances, a Haier company

Louisville, KY 40225

Extended Warranties: Purchase a GE Appliances extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it online anytime at

GEAppliances.com/extended-warranty

or call 800.626.2224 during normal business hours. GE Appliances Service will still be there after your warranty expires.

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

Accessories

Looking For Something More?

GE Appliances offers a variety of accessories to improve your cooking and maintenance experiences!

Refer to the Consumer Support page for phone numbers and website information.

The following products and more are available:

Accessories

Small Broiler Pan (8 ¾" x 1 ¼" x 13 ½")

Large Broiler Pan (12 ¾" x 1 ¼" x 16 ½")

XL Broiler Pan (17" x 1 ¼" x 19 1/4")

Parts

Oven racks

Oven elements

Light bulbs

Cleaning Supplies

CitruShine™ Stainless Steel Wipes

Stainless Steel Appliance Cleaner

Non-scratch Cleaning Pads for Ceramic Cooktops

Ceramic Cooktop Cleaner

Ceramic Cooktop Scraper

Kit (Kit includes cream and cooktop scraper)

*The large broiler pan does not fit in 20"/24" ranges.

** The XL broiler pan does not fit in 24" wall ovens, 27" drop-ins or 20"/24" range.

NOTE: Go to GE Appliances website to view recommended cleaners.

Consumer Support

GE Appliances Website

Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! You can also shop for more great GE Appliances products and take advantage of all our on-line support services designed for your convenience. In the US: **GEAppliances.com**

Register Your Appliance

Register your new appliance on-line at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material. In the US: **GEAppliances.com/register**

Schedule Service

Expert GE Appliances repair service is only one step away from your door. Get on-line and schedule your service at your convenience any day of the year. In the US: **GEAppliances.com/service** or call 800.432.2737 during normal business hours.

Extended Warranties

Purchase a GE Appliances extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime. GE Appliances Services will still be there after your warranty expires. In the US: **GEAppliances.com/extended-warranty** or call 800.626.2224 during normal business hours.

Remote Connectivity

For assistance with wireless network connectivity (for models with remote enable), visit our website at **GEAppliances.com/connect** or call 800.220.6899 in the US.

Parts and Accessories

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today 24 hours every day. In the US: **GEApplianceparts.com** or by phone at 877.959.8688 during normal business hours.

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

Contact Us

If you are not satisfied with the service you receive from GE Appliances, contact us on our Website with all the details including your phone number, or write to:

In the US: General Manager, Customer Relations | GE Appliances, Appliance Park | Louisville, KY 40225
GEAppliances.com/contact

