

Use and Care Manual

Bosch Gas Ranges

with Mechanical Controls and Standard Convection

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Questions?

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We look forward to hearing from you!

About This Manual

How This Manual Is Organized

This manual contains several sections:

- The *Getting Started* section describes the features and functionality of the range, including a description of how to set up the range and operate the control panel.
- The *Operation* sections describe how to operate each range component.
- The *Getting the Most out of Your Appliance* section includes information about the modes, cooking charts and tips for improving performance.
- The *Cleaning and Maintenance* section describes how to clean and maintain your appliance.
- The *Service* section includes troubleshooting tips and your Warranty.

Before using your range, be sure to read this manual. Pay special attention to the **Safety Sections** located at the beginning of the manual.

Safety



Important Safety Instructions

READ AND SAVE THESE INSTRUCTIONS

Important Safety Instructions

Fire Safety

- Do not use aluminum foil or protective liners to line any part of an appliance, especially surface unit drip bowls or oven bottom. Installation of these liners may result in a risk of electric shock or fire.
- Set the burner control so that the flame does not extend beyond the bottom of the pan.
- If materials inside an oven or warming drawer should ignite, keep door closed. Turn off the appliance and disconnect the circuit at the circuit breaker box.
- Use this appliance only for its intended use as described in this manual. For example, never use the appliance for warming or heating the room. Never use the appliance for storage.
- Do not allow aluminum foil, plastic, paper or cloth to come in contact with a hot burner or grate. Do not allow pans to boil dry.
- If the cooktop is near a window, forced air vent, or fan, be certain that flammable materials such as window coverings do not blow over or near the burners or elements. They could catch on fire.
- Always have a working smoke detector near the kitchen.
- Never leave the cooktop unattended when in use. Boilovers cause smoking and greasy spillovers may ignite.
- **WARNING - TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:**

- a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when flambéing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe').
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Use proper pan size. Always use cookware appropriate for the size of the surface element.
- In the event that personal clothing or hair catches fire, drop and roll immediately to extinguish flames.
- Smother flames from food fires other than grease fires with baking soda. Never use water on cooking fires.
- Take care that drafts like those from fans or forced air vents do not push the flames so that they extend beyond the edges of the pan.
- **WARNING - TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:**
 - a) **SMOTHER FLAMES** with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. **BE CAREFUL TO PREVENT BURNS.** If the flames do not go out immediately, **EVACUATE AND CALL THE FIRE DEPARTMENT.**
 - b) **NEVER PICK UP A FLAMING PAN** - You may be burned.
 - c) **DO NOT USE WATER**, including wet dishcloths or towels - a violent steam explosion will result.
 - d) Use an extinguisher **ONLY** if:
 - 1) You know you have a Class ABC extinguisher, and you already know how to operate it.
 - 2) The fire is small and contained in the area where it started.
 - 3) The fire department is being called.
 - 4) You can fight the fire with your back to an exit.
 - 5) Have an appropriate fire extinguisher available, nearby, highly visible and easily accessible near the oven.
- Whenever possible, do not operate the ventilation system during a cooktop fire. However, do not reach through fire to turn it off.

Gas Safety



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

Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call fire department.**

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

- Have the installer show you where the gas shut-off valve is located.

- If a burner goes out and gas escapes, open windows and doors. Wait until gas dissipates before using the appliance.
- If you smell gas, your installer has not done a proper job of checking for leaks. If the connections are not perfectly tight, you can have a small leak and, therefore, a faint smell. Finding a gas leak is not a "do-it-yourself" procedure. Some leaks can only be found with the burner control in the ON position and this must be done by a qualified service technician. See "WHAT TO DO IF YOU SMELL GAS:" on page 2.
- During a power failure, only the cooktop burners can be lit manually.

Burn Prevention

- DO NOT TOUCH SURFACE UNITS OR AREAS NEAR UNITS - Surface units may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns. During and after use, do not touch, or let clothing, potholders, or other flammable materials contact surface units or areas near units until they have had sufficient time to cool. Among these areas are the cooktop and areas facing the cooktop.
- DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN - Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch, or let clothing, potholders, or other flammable materials contact heating elements or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the appliance may become hot enough to cause burns. Among these surfaces are oven vent openings, surfaces near these openings and oven doors.
- Exercise caution when opening the appliance. Standing to the side, open the door (or drawer) slowly and slightly to let hot air and/or steam escape. Keep your face clear of the opening and make sure there are no children or pets near the unit. After the release of hot air and/or steam, proceed with your cooking. Keep doors shut unless necessary for cooking or cleaning purposes. Do not leave open doors unattended.
- Do not heat or warm unopened food containers. Build-up of pressure may cause the container to burst and cause injury.
- Always place oven racks in desired location while oven is cool. If a rack must be moved while oven is hot, do not let potholder contact the heating elements.
- Always turn hood ON when cooking at high heat or when flambeing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe').
- Use high heat settings on the cooktop only when necessary. To avoid bubbling and splattering, heat oil slowly on no more than a low-medium setting. Hot oil is capable of causing extreme burns and injury.
- Never move a pan of hot oil, especially a deep fat fryer. Wait until it is cool.

Child Safety

- When children become old enough to use the appliance, it is the legal responsibility of the parents or legal guardians to ensure that they are instructed in safe practices by qualified persons.
- Do not allow anyone to climb, stand, lean, sit, or hang on any part of an appliance, especially a door, warming drawer, or storage drawer. This can damage the appliance, and the unit may tip over, potentially causing severe injury.
- Do not allow children to use this appliance unless closely supervised by an adult. Children and pets should not be left alone or unattended in the area where the appliance is in use. They should never be allowed to play in its vicinity, whether or not the appliance is in use.
- CAUTION - Items of interest to children should not be stored in an appliance, in cabinets above an appliance or on the backsplash. Children climbing on an appliance to reach items could be seriously injured.

Cleaning Safety

- IMPORTANT SAFETY NOTICE: The California Safe Drinking and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm, and requires businesses to warn customers of potential exposure to such substances.

- a) The burning of gas cooking fuel and the elimination of soil during self-cleaning can generate small amounts of Carbon Monoxide.
- b) The fiberglass insulation in self-clean ovens gives off very small amounts of formaldehyde during the first several cleaning cycles. California lists formaldehyde as a potential cause of cancer. Carbon Monoxide is a potential cause of reproductive toxicity.
- c) Exposure to these substances can be minimized by:
 - 1) Providing good ventilation when cooking with gas.
 - 2) Providing good ventilation during and immediately after self cleaning the oven.
 - 3) Operating the unit according to the instructions in this manual.
- Do not clean the appliance while it is still hot. Some cleaners produce noxious fumes when applied to a hot surface. Wet clothes or sponges can cause burns from steam.
- When self-cleaning, confirm that the door locks and will not open. If the door does not lock, do not run Self-Clean. Contact service.
- Birds have very sensitive respiratory systems. Keep pet birds out of the kitchen or other rooms where kitchen fumes could reach them. During self clean, fumes are released that may be harmful to birds. Other kitchen fumes such as overheating margarines and cooking oils may also be harmful.
- After a spill or boilover, turn off the burner and allow the cooktop to cool. Clean around the burner and burner ports. After cleaning, check for proper operation.
- Keep oven free from grease build up.

Cookware Safety

- Do not place food directly on oven bottom.
- Follow the manufacturer's directions when using cooking or roasting bags.
- Hold the handle of the pan when stirring or turning food. This helps prevent spills and movement of the pan.
- Use Proper Pan Size. The use of undersized cookware will expose a portion of the heating element or burner to direct contact and may result in ignition of clothing. Select cookware having flat bottoms large enough to cover the surface heating unit. This appliance is equipped with one or more surface units of different size. Proper relationship of cookware to heating element or burner will also improve efficiency.
- Always position handles of utensils inward so they do not extend over adjacent work areas, burners, or the edge of the cooktop. This reduces the risk of fires, spills and burns.
- Adjust burner flame size so that it does not extend beyond the edge of the cookware. Proper relationship of cookware to burner flame reduces safety risks.

Proper Installation and Maintenance

- Have the installer show you the location of the circuit breaker or fuse. Mark it for easy reference.
- This appliance must be properly installed and grounded by a qualified technician. Connect only to properly grounded outlet. Refer to Installation Instructions for details.
- All ranges can tip. Injury to persons could result. Install anti-tip device packaged with range. Verify that the anti-tip devices are engaged. See installation instructions.



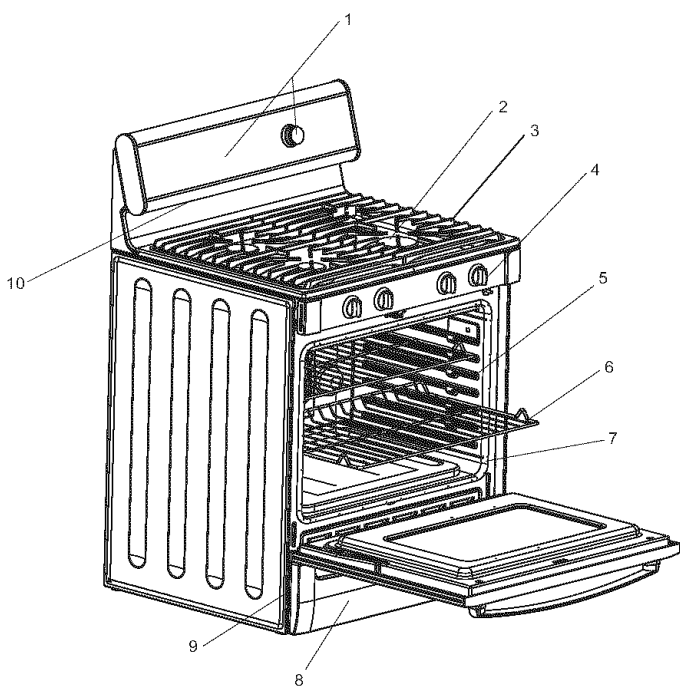
Figure 1: Tipping Precautions

- This appliance is intended for normal family household use only. It is not approved for outdoor use. See the Warranty. If you have any questions, contact the manufacturer.
- Do not store or use corrosive chemicals, vapors, flammables or nonfood products in or near this appliance. It is specifically designed for use when heating or cooking food. The use of corrosive chemicals in heating or cleaning will damage the appliance and could result in injury.
- Do not operate this appliance if it is not working properly, or if it has been damaged. Contact an authorized servicer.
- Do not obstruct oven vents.
- Do not repair or replace any part of the appliance unless specifically recommended in this manual. Refer all servicing to a factory authorized service center.
- In the event of an error the display flashes and beeps continuously. If this happens during self-clean, disconnect appliance from the power supply and call a qualified technician.
- In the event of an error the display flashes and beeps continuously. Disconnect appliance from the power supply and call a qualified technician.
- Do not operate oven without oven bottom in place.

Getting Started

Parts and Accessories

Table 1: Parts and Accessories

	#	Part
	1	Oven Control Panel and Knob
	2	Burner Caps (4)
	3	Burner Grates (2)
	4	Cooktop Control Knob
	5	Rack Positions/ Rack Guides
	6	Oven Racks, Flat (3)
	7	Oven Door Gasket
	8	Storage Drawer
	9	Model # and Serial # Plate
	10	Oven Vent
	11	Anti-Tip Bracket (not shown)
	12	Cooktop Scraper (glass ceramic models only) (not shown)
	13	Broiler Pan (not shown)
	14	Oven Door Lock (not visible) (not shown)
	15	Literature Package (not shown)
	16	Broil Burner (top of oven interior) (not shown)
	17	Oven Lights (2) (oven back wall) (not shown)
	18	Convection Fan (oven back wall; not shown)

Sealed Gas Burners

The cooktop has sealed gas burners. As a result, there are no parts under the cooktop to clean, disassemble or adjust. Spills stay on top of the cooktop where they are easier to wipe up.

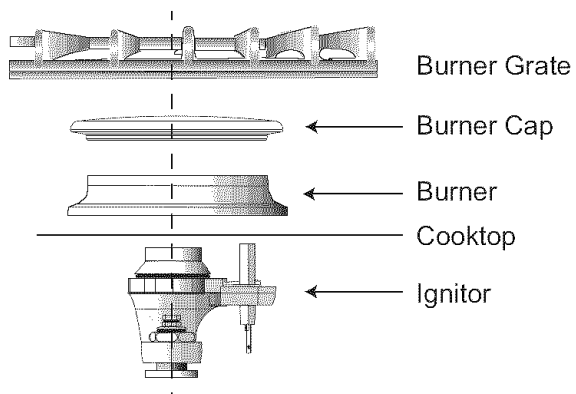


Figure 2: Right Side Burner - Side View

Burner Caps

The cooktop has four burner caps. Match the size of the burner cap to the size of the burner. Burner caps are not interchangeable.

Make sure the burner cap is completely seated on the burner base before attempting to light the burner. If the burner cap is not placed correctly, the burner may not light or the flame may not burn completely or correctly. The appliance is equipped with two types of burners: standard and diffusion.

Burner Grates



Warning: To prevent flare-ups, do not use the cooktop without all burner caps and all burner grates properly positions. Do not use a grate if the feet are missing or damaged.

There are two burner grates: one for the left side of the cooktop and one for the right side of the cooktop. Position them so that the circular opening is over the burner cap. Burner grates should rest flat on the cooktop. The rubber feet on the grates should rest in the indents on the cooktop.

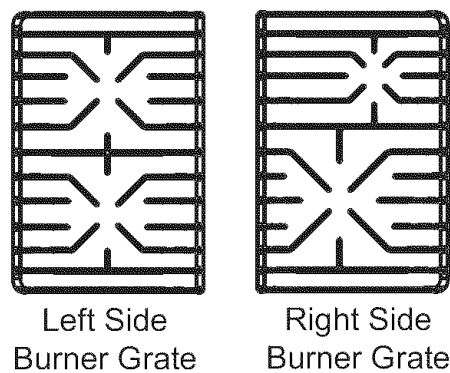


Figure 3: Grates for Free-standing Models

Electronic Ignitor

The cooktop uses electronic ignitors to light the burners, There is no pilot light. Each burner has its own ignitor. For proper operation, keep the ignitor clean and dry. It is necessary to clean these when there is a boilover or when the burner does not light even though the ignitor clicks.



Caution: All igniters spark when any single burner is turned on. Do not touch any of the burners when the cooktop is in use.

High Power Burner

The high power burner is the largest burner. It is the most powerful burner on the cooktop. It retains heat longer than normal burner caps and, at low settings, prohibits the flame from touching the cookware. This results in a gentle, more predictable heat. Use the low settings on this burner to simmer large amounts of sauces or soups. Use the high settings to quickly bring large amounts of water to a boil.

Precision Burner

The precision burner is the smallest burner on the cooktop. It is well suited for gentle cooking of small amounts of food. Use the burner to melt butter or chocolate or to prepare delicate sauces.

Flat Oven Racks

The racks are designed with a stop so they will stop before coming completely out of the oven and not tilt.

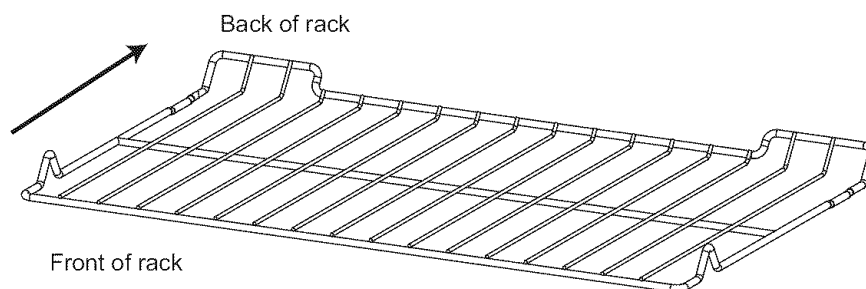


CAUTION

To avoid burns, place oven racks in desired positions before turning oven on. Always use oven mitts when the oven is warm. If a rack must be moved while the oven is hot, do not let oven mitts contact hot burners.

Inserting Racks Into Oven

1. Grasp rack firmly on both sides.
2. Tilt rack up to allow stop into rack guide.
3. Bring rack to a horizontal position and press the rest of the way in. Rack should be straight and flat, not crooked.



Insert rack with the back of the rack toward the back wall of the range.

Figure 4: Inserting a Rack

Oven Bottom



Caution: Do not place food directly on oven bottom. Do not use aluminum foil or protective liners to line any part of an appliance, especially surface unit drip bowls or oven bottom. Installation of these liners may result in a risk of electric shock or fire.

Oven Vent

The oven vent is located below the display above the rear left cooktop burner. It is normal to see steam escaping from the vent and condensation may collect on the backguard and cooktop. This area may become hot when the oven is in use. To prevent carbon monoxide build-up, do not block the vent. The oven vent is also important for air circulation.

Automatic Shutoff

The oven will automatically shut off after 12 hours (24 hours if the time format is set for 24 hour in the Select Function section).

Self Cleaning

The oven features a self-cleaning function that eliminates the manual labor involved with cleaning your oven.

Indicators and Other Features

Beep - Signals that more information must be entered or confirms the receipt of an entry. A Beep also signals the end of a program or an oven error.

End-of-Cycle Indicator - To indicate when a mode is finished, 3 consecutive beeps will sound.

Default Settings - The cooking modes automatically select the default temperature. These can be changed when a different one is needed.

Flashing Symbol or Number - Signals an incomplete setting and calls for another step or START to be pressed.

F Number Codes - These codes display when there is a problem with the range.

Convection Fan

The convection fan operates during any convection mode. When the oven is operating in the convection mode, the fan will turn off automatically when the door is opened. The convection fan does run during self-clean, although not at the beginning of the mode.

Note: On some models, the convection fan also runs during preheat for the bake mode.

Control (Panel)

Oven Control Panel

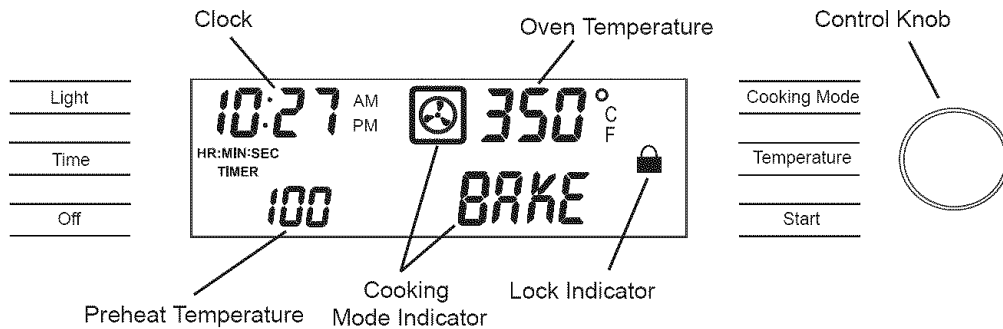


Figure 5: Oven Control Panel

Table 2: Oven Control Panel

Clock– Shows the time of day with a 12 or 24 hour option. Also displays the timer and times associated with delayed cooking and cleaning modes. Turn the control knob to toggle between timer and clock display. **Press Time and turn the control knob to change the time of day or the timer.**

Cooking Mode - Press pad to display cooking mode.

Cooking Mode Icon – Shows the cooking burners that are active for the mode that is selected. The icon will also display a fan if the convection fan is utilized in the selected mode.

Control Knob - Used to set the clock, timers, select cooking mode and temperature. Turn clockwise to increase and turn counterclockwise to decrease.

Door Locking Indicator - Icon is displayed during the self-clean mode when the door is locked. DO NOT attempt to open the door until the lock symbol is no longer present.

Light - Press pad to turn oven light on or off.

Off - Press pad to turn off oven and/or warming drawer.

Oven Temperature - Shows the oven temperature.

Preheat Temperature - Displays temperature of oven during preheat mode.

Start - Press pad to complete an entry.

Temperature - Press pad to select cooking temperature.

Time - Press pad to set or change the time of day or the timer.

Timer – There are two timers - TIMER 1 AND TIMER 2; Each counts down the time in hours and minutes. With less than 60 minutes remaining, the timer also displays seconds. Press Time to access the timers.

You control the operation of the range by using the touch pads, dial and control knobs.

The touchpads, in conjunction with the dial, are used to select an oven mode, set the oven temperature, set the time(s) and to set up your range. To use the touchpad, press the center part of the pad with the flat part of your fingertip. A beep will sound to indicate that the selection has been made. Turn the dial to the desired setting and press start.

The knobs are used to control the heat level of the burners. Push down and turn to the ⚡ symbol to light and then to the desired heat setting.

See the sections on Using the Cooktop and Using the Oven for detailed instructions.

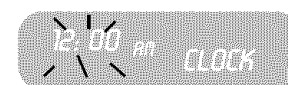
The Clock

About the Clock

- Always set the clock after installation or after a power failure. Once power returns to the oven, the clock defaults to 12:00 am.
- The time of day is displayed in hours and minutes.
- The clock time will appear during all oven operations except when the timer is running.
- The oven is preset to a 12 hour clock and indicates AM and PM. To switch to a 24 hour clock, see "Select Function" section.
- If you do not complete the operation of setting the clock, the oven will beep periodically as a reminder to set the clock time. Press OFF to stop the beeping.

Setting the Clock

1. CLOCK will be displayed and the hour digits will flash. Turn knob to select hour and AM or PM.
2. Press Time. CLOCK will still be displayed and the minute digits will flash.
3. Turn knob. Set minutes.

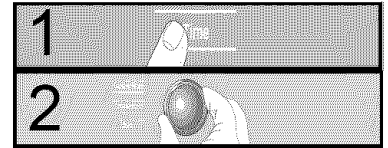


4. Press Time and the clock is now set.

Note: If operation is not completed, the oven will beep periodically as a reminder to set clock time. Press OFF.

Changing the Clock

1. Press Time. TIMER 1 flashes in display.
2. Turn knob to select CLOCK.
3. Press Time and hour digits flash.
4. Turn knob to change hours.
5. Press Time again and minute digits flash.
6. Turn knob to change minutes.
7. Press Time again and the clock is set.



Note: To cancel the TIME selection when setting the clock, press OFF at any time while in the clock mode.

The Select Functions Menu

SELECT FUNCTIONS is the section of the menu where you can set or change the range features listed below.

To access the SELECT FUNCTION menu

1. Press and hold COOKING MODE press pad for five (5) seconds. SELECT FUNCTION is displayed.
2. Turn knob slowly to desired feature. There will be a slight delay before each message (or feature) can be seen in the display. Turn knob slowly and wait approximately one second for display to show next feature.
3. Press START to choose the function.
4. Turn knob to desired setting and press START. When all settings for the function are complete, SELECT FUNCTION flashes again.
5. Press OFF to exit the Select Functions Menu.



Change the Beep Volume The volume of the control beep can be changed from LOW (softest) to HIGH (loudest). The control default for beep volume is Medium.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until VOLUME is displayed.
3. Press Start.
4. Turn knob to select volume level Low, Medium or High.
5. Press Start.



Change the Temperature Scale The oven has been preset to the Fahrenheit temperature scale. The feature allows you to switch between Fahrenheit and Celsius temperature.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until SELECT TEMP F-C is displayed.
3. Press Start.
4. Turn knob to select Fahrenheit (F) or Celsius (C).
5. Press Start to accept new selection.



Turn Clock Display ON or OFF Clock time display can be turned off. The default display is on.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until CLOCK DISPLAY is displayed.
3. Press START.
4. Turn knob to select ON or OFF
5. Press START to accept new selection.

**Access Demo Mode**

The demo mode is for appliance store use only.

**Change the Display Language**

Language choices are English, Spanish, and French. English is the default language. **Note:** The SELECT FUNCTIONS menu is displayed in English only, regardless of which language is selected.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until desired language is displayed.
3. Press Start.
4. Turn knob clockwise to select a different language.
5. Press Start to accept a language change.

**Lock / Unlock the Oven Control Panel**

The oven keypad can be locked for safety purposes. This feature can be used to prevent changes to the oven function. This function DOES NOT lock the oven door.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until LOCK KEYS is flashing.
3. Press Start. KEY PAD LOCKED is displayed. The display will beep if a key is pressed to indicate that the keypad is locked.
4. To unlock keypads, press Cooking Mode and hold for 5 seconds. Display will read UNLOCKING KEY PAD.
5. When unlocked, the clock will again appear in the display.

**Change the Oven Temperature Offset**

This feature allows the adjustment of the oven temperature if food is consistently too brown or too light.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until OVEN TEMP OFFSET is displayed.
3. Press START. 0° F is displayed.
4. Turn the knob to increase temperature in 25° F increments.
5. Press START to accept a temperature change.

**Reset the Factory Settings**

This feature is used to change all the “Select Functions” settings back to the original factory settings (or defaults).

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until RESET DEFAULTS is displayed.
3. Press START. Display reads SELECT FUNCTIONS.

**Set the Sabbath Feature About the Sabbath Feature**

The Sabbath Feature is for religious faiths with “no work” requirements on the Sabbath.

- The oven will bake for 73 hours before automatically turning off.
- While baking in Sabbath mode, the display will show SABBATH and the BAKE icon will be displayed. The clock will be off and no temperature will show in the display.
- During the Sabbath mode, only the OFF key will operate. Press OFF at any time during the Sabbath mode to end the mode and turn off the oven.
- At the end of 73 hours, the oven will turn off automatically and the display will show SABBATH END. Press Off to return to time of day.
- The probe CANNOT be used during the Sabbath mode.

Setting the Sabbath Feature for the Oven

1. Verify that the oven is turned off.

2. Access SELECT FUNCTIONS Menu.
3. Turn knob clockwise until SABBATH OPTION appears.
4. Press START. BAKE will show in display and temperature will flash.
5. Turn knob to set oven temperature.
6. Turn oven light on if desired (press LIGHT).

Note: The light cannot be changed after this point. It will stay on or off, as selected, during the entire Sabbath mode.

7. Press START. Oven starts after 5 seconds.

The oven operates for 73 hours and then turns off automatically.



Change the Time Format

The clock can be set to a 12 hour or 24 hour format. The default for clock format is 12 hour.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until TIME FORMAT is displayed.
3. Press Start.
4. Turn knob to select 12 hour or 24 hour format.
5. Press Start to accept new selection.



Turn Automatic Convection Conversion ON or OFF

This feature automatically converts package or recipe temperatures for use with the convection bake mode. The default setting is “on”.

1. Access SELECT FUNCTIONS Menu.
2. Turn knob clockwise until AUTO CONVECT BAKE is displayed.
3. Press Start.
4. Turn knob to select ON or OFF.
5. Press Start to accept new selection.

Before Using the Appliance for the First Time

- Remove all packing materials and labels from range. Remove packing materials from inside the oven and inside the drawer.
- While cool, wipe with a clean, damp sponge and dry.
- For models with a glass ceramic cooktop, apply the glass ceramic cooktop cleaner. Buff with a clean cloth. See Care and Cleaning Section.
- There may be a slight odor during first uses; this is normal and will disappear.
- Read and understand all safety precautions and Use and Care Manual information prior to operating.

Operation - Cooktop

This section explains how to operate the cooktop. See “Getting the Most Out of Your Cooktop” on page 16 for guidelines to improve cooktop results.

About the Cooktop

Use the cooktop for surface cooking applications such as boiling, frying, simmering, steaming and sauteing.

Operation

Setting the Burner Heat Level

Burner Control Knob

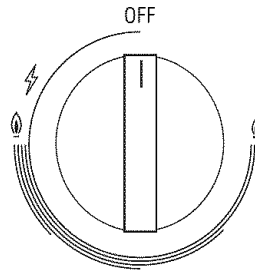


Figure 6: Burner Control Knob

Lighting the Burner

Push in and turn the knob counterclockwise to the ⚡ symbol.

Note: If the burner does not light within four seconds, turn the burner off. Verify that the burner cap is positioned correctly on the burner base and that the ignitor is clean and dry. If the burner still fails to ignite, see “Cooktop Troubleshooting Chart” on page 28



Caution: All ignitors spark when any single burner is turned on. Do not touch any of the burners when the cooktop is in use.

Lighting the Burner during a Power Failure

Cooktop burners can be lit manually during a power failure. Hold a match at the port and turn the knob to the HI position. Wait until the flame is burning all the way around the burner before adjusting the flame to the desired setting.

Setting the Flame Size

After lighting, turn the knob counterclockwise to the desired flame size. See “Cooking Guide” on page 17 for recommended burner settings.

Caution: To prevent possible burns or possible damage to the pan or the appliance, the flame should not extend beyond the edge of the pan.

Turning the Burner off

Turn knob clockwise to the OFF position.

Note: an “pop” may be heard when the burner is turned off. The “pop” may be louder with LP gas than with natural gas. This is normal.

Operation - Oven

This section explains how to operate the oven. See “Getting the Most Out of Your Oven” on page 18 for guidelines to improve oven results.

About the Oven

Operation



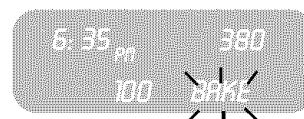
CAUTION

Do not use aluminum foil or protective liners to line any part of an appliance, especially surface unit drip bowls or oven bottom. Installation of these liners may result in a risk of electric shock or fire.

Setting the Cooking Mode and Temperature

Note: To back out of a current mode, press OFF. (Selecting OFF when not setting the cooking mode will turn the oven off.)

1. Press COOKING MODE.
2. BAKE will flash in the display.
3. If no change is made within 5 seconds, control will beep and flash. If this occurs, press START.
4. To change the cooking mode, turn knob.
5. Press START.
6. The selected mode will appear in the display, along with the default temperature for that mode, which will be blinking.
7. To select a different temperature, turn knob to the right or left (in 5° increments) to desired temperature.
8. Press START. If not pressed, oven automatically turns on in 5 seconds.
9. The display alternates between the cooking mode and preheat.



The preheated temperature is displayed, starting at 100°F. The actual temperature increases until set temperature is reached, at which point the oven will beep.

10. To change temperature during cooking, press Temperature. Turn the knob to select new temperature and press START.
11. Once cooking has been completed, press OFF to turn off oven.

Automatic Convection Conversion (models with convection bake)

In the convection bake mode, the temperature is automatically reduced 25° F from the package or recipe temperature. Simply enter the package or recipe temperature when setting the mode and the range calculates the correct temperature.

The Automatic Convection Conversion feature can be turned off to allow for manual temperature adjustment. See “Turn Automatic Convection Conversion ON or OFF” on page 12 for details.

When the Automatic Convection Conversion feature is activated, the display will read AUTO CONV BAKE. When the feature is turned off, it will read CONV BAKE.

Hot Oven Indicator

After the oven has been turned off, HOT appears in the display where the cooking mode was to indicate that the oven is off but still hot. When the oven temperature drops below 176° F, HOT is no longer seen in the display.

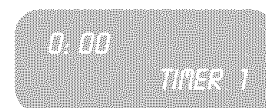
Using the Timer

Notes:

- If you do not finish setting the timer, the oven will beep periodically as a reminder to set the time. Press OFF to exit the TIMER mode. (Selecting OFF when not setting the timer will turn the oven off.)
- Turn the knob to display the time of day or further information about the oven mode when the timers are in use.

To set the timer:

1. Press TIME and TIMER 1 will flash in display.



Turn clockwise and TIMER 2 will be displayed. Select TIMER 1 or 2, then press TIME. SET TIMER 1 (2) appears in display. Minutes flash.



2. Turn knob to set minutes. If setting only minutes, press START. Otherwise, continue to step 4.
3. Press TIME again and the hours will flash.
4. Turn knob to set hours.
5. Press TIME again. The TIMER is now set.
6. If TIME or START is not pressed, oven will begin beeping and timer display will begin flashing.

**Changing the Timer/s**

1. Press TIME. TIMER 1 will appear in display. Select either TIMER 1 or 2.
2. Press TIME. RESET TIMER 1 (2) appears in the display. Minute digits flash.
3. Turn knob clockwise or counterclockwise to change minutes.
4. Press TIME again and hour digits will flash.
5. Turn knob clockwise or counterclockwise to change hours.
6. Press TIME and new time is set.

**Clearing the Timer/s**

1. Press TIME once. TIMER 1 flashes.
2. Turn knob to select CLEAR TIMER 1(2). Press TIME.
3. If Time pad is not pressed, range will beep and display will continue flashing.
4. Press TIME to return to the main screen.

**Cancelling**

If operation is not completed, the oven will beep periodically as a reminder to set time. Press OFF to exit the Timer mode. Selecting OFF when not in a setting mode will turn off the oven.

Using Timed or Delayed Cook

The TIMED COOK feature sets the oven to a cooking mode for a set period of time and then turns it off. The TIMED COOK feature is available for each of the following oven modes: Bake, Convection Bake and Convection Roast.

- Be sure that the time-of-day clock displays the correct time before beginning. See "Changing the Clock" on page 10 to adjust the time.
- At end of the programmed cooking time, the oven will automatically turn off.
- Delayed cooking is not recommended for foods that need to rise (i.e.; cookies, cakes, breads, souffles, etc.)

Setting a Timed Mode

1. Press COOKING MODE.
2. BAKE will be displayed. To select a different cooking mode, turn the knob.
3. Press START.
4. Turn knob to select desired temperature.

Note: Time required for the oven to reach temperature must be included in the set cooking time.

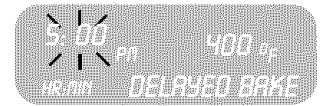
5. Press TIME. TIMED BAKE appears.
6. Press TIME. SET BAKE TIME appears in the display and minutes flash.
7. Set minutes. Press TIME.
8. Hours Flash. Set hours. Press START.
9. TIMED BAKE appears in display and the oven begins to preheat.



After cooking is complete, display flashes TIME COOK END and reminder beeps will sound. Press OFF to clear.

Delaying the Start of a Timed Mode

1. Follow steps 1 through 5 above.
2. Turn knob until DELAYED BAKE appears.
3. Press Time. SET BAKE TIME appears in display and minutes flash.
4. Set minutes and then press TIME. Hours Flash.
5. Set hours and then press TIME. SET BAKE END appears in the display.
6. Press TIME.
7. Use knob to enter the time of day the oven will stop cooking or turn off.
8. Set hours and then press TIME.
9. Set minutes and then press TIME.



Note: The clock automatically calculates time of day at which cooking mode starts and stops. The displayed cooking time counts down by the minute.

10. At the end of the programmed cooking time, the oven will automatically turn off. Display will show TIME COOK END and reminder beeps will sound. Press OFF to clear.

Note: Remove food from oven immediately after cycle has finished to prevent overcooking. Food left in the oven will cook even after the cycle is complete.

To Check the Cooking Time and Stop Time After a Delay Has Been Set

1. Press Time.
2. Turn knob to BAKE END or BAKE TIME.
3. Press Time.

Setting the Sabbath Feature

See "Set the Sabbath Feature" on page 11.

Getting the Most Out of Your Appliance

Getting the Most Out of Your Cooktop

Cooktop Cooking Guide

Boiling Water

Time to boil can vary greatly depending on environmental conditions. Try the following tips to decrease boil time:

- Use a lid.
- Use a pan that is appropriately sized for the amount of water and the size of the burner.
- Select a pan with a flat base (See "Cookware Selection Guide" on page 17 for details).
- Choose a medium-weight pan (rather than a heavy-weight one).
- Start with water that is already warm.
- Boil the smallest amount of water necessary. Smaller volumes will boil faster than larger volumes.

Recommended Settings

Use this chart as a guide for heat settings. A range of heat settings are listed because the actual setting depends on:

- type and quality of pan (See "Selecting Cookware"),
- type, quantity and temperature of the food,
- burner used and

- the cook's preference.

Table 3: Cooking Guide

Uses	Heat Settings
Bringing water to boil	9 - High
Pan frying, sautéing, browning meat, deep fat frying	6-8 - Med-High
Most frying, eggs, pancakes, slow boil	4-5 - Med
Simmering, finish cooking, covered foods, steaming	2-3 - Med Low
Melting butter and chocolate	1 - Low

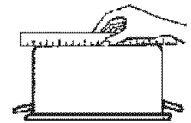
Cookware Selection Guide

Cookware Characteristics

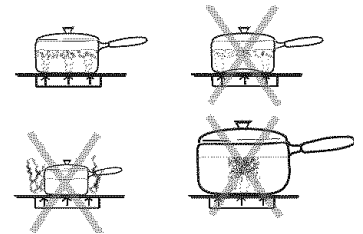
Pan selection directly affects cooking speed and uniformity. For best results select pans with flat bases. When a pan is hot, the base (pan bottom) should rest evenly on the surface without wobbling (rocking). Flat, medium-to-heavy-weight pans are best.

To Test the Flatness of Your Pans

Turn the pan upside down on the countertop and place a ruler flat against the bottom of the pan. The bottom of the pan and the straight edge of the ruler should be flush against each other.



Another simple test to determine even heat distribution across the cookware bottom is to place 1" (25.4 mm) of water in the pan. Bring the water to a boil and observe the location of the bubbles as the water starts to boil. Good, flat cookware will have an even distribution of bubbles over the bottom surface area.



Match Pan Diameter to Flame Size

The flame should be the same size as the bottom of the pan or smaller. Do not use small pans with high flame settings as the flames can lick up the sides of the pan.

Place oversized pans that span two burners front to rear, not side to side.

Tight Fitting Lids – A lid shortens cooking/boiling time by holding heat inside the pot.

Cookware Tips

- Use of pots and pans with rounded (either concave or convex) warped or dented bottoms should be avoided. See drawings.
- Make sure the bottom of the pot or pan being used is clean and dry.
- Use pots and pans with thick, smooth metal bottoms.

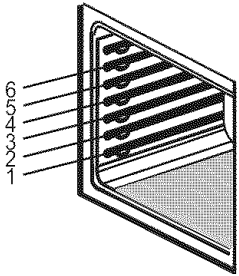
Specialty Pans

Specialty pans such as griddles, roasters, pressure cookers, woks, water bath canners and pressure canners must have the same features as described above. Use only a flat-bottomed wok.

Getting the Most Out of Your Oven

Oven Cooking Guide

Rack Position



- RACK POSITION 6 (highest position) – melting cheese, broiling thin foods
- RACK POSITION 5 – broiling most meats, toasting bread
- RACK POSITION 4 – broiling thicker meats
- RACK POSITION 3 – most baked goods when baking on one rack, such as on cookie sheet or baking pan, cakes, frozen foods, biscuits, brownies, muffins
- RACK POSITION 2 – Used for pies, casseroles, breads, bundt or pound cakes, small roasts or poultry.
- RACK POSITION 1 (lowest position) – Use for angel food cake, large roasts, turkey.

Figure 7: Rack Positions

Multiple Rack Cooking

When using multiple racks, follow the placement recommendations below.

- **Two rack:** Use rack positions 2 and 5.
- **Three rack:** (for convection bake): Use positions 1, 3 and 6.

Pan Placement

Baking results are better if pans are placed in the center of the oven. If baking more than one pan on a rack, allow at least 1" to 1 ½" of air space around the pan. When baking four cake layers at the same time, stagger pans on two racks so that one pan is not directly above the other. To allow for best baking results stagger pans as shown in the graphic below.

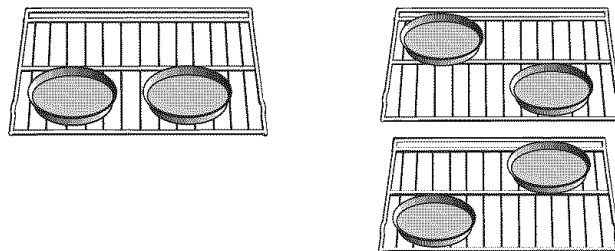


Figure 8: Pan Placement

Baking Pans

Here are some tips for cooking with baking pans:

- Glass baking dishes absorb heat, therefore reduce oven temperature 25°F when baking in glass.
- Shiny, smooth metal reflects heat resulting in lighter, more delicate browning.
- Dark, rough or dull pans will absorb heat resulting in browner, crisper crust. Some manufacturers recommend reducing temperature 25° F when using these pans. Follow manufacturer recommendations.
- Use glass or dark metal pans for pies.
- Insulated baking pans may increase the recommended baking time.

Preheating the Oven

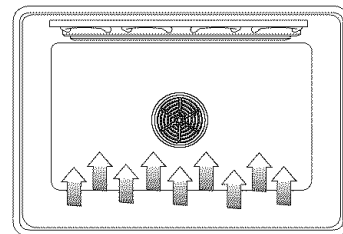
Preheat the oven if the recipe recommends it. Preheating is necessary for good results when baking cakes, cookies, pastry and breads. Setting a higher temperature does not shorten preheat time. Place oven racks in proper position before preheating. A beep will confirm that oven is preheated and selected oven temperature will be displayed.

Oven Cooking Modes



Bake, Proof and Warm

Baking is cooking with dry, heated air. The lower burner cycles to maintain the oven temperature. Bake mode can be used to prepare foods like pastries and casseroles as well as to roast meats.



Note: Depending on the model, you may hear the convection fan while the oven is preheating for the bake mode. This is normal.

In the Proofing mode, the oven will use the lower burner to maintain a low temperature to proof bread.

- Proofing is the rising of a yeast dough.
- The Proofing mode temperatures are 85° to 110° F. The default temperature is 100° F.
- Loosely cover the bowl or pan and use any rack that accommodates the size of the container.
- Keep the door closed and use the oven light to check the rising of the dough.

In Warming mode, the lower burner maintain a low temperature in the oven cavity in order to keep food at serving temperature.

- Use the Warming setting on the oven to keep foods hot until ready to serve.
- Warming mode temperatures are 140° - 220° F. Default temperature is 170°.
- Foods that must be kept moist should be covered with a lid or aluminum foil.



CAUTION

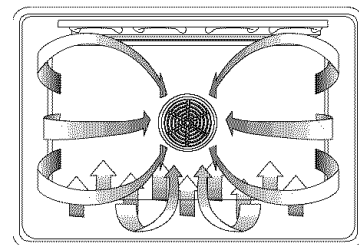
When using Warm mode, follow these guidelines:

- Do not use the Warm Mode to heat cold food.
- Be sure to maintain proper food temperature. The USDA recommends holding hot food at 140°F or warmer.
- DO NOT warm food for longer than one hour.



Convection Bake

Convection baking is similar to baking. Heat comes from the lower heating burner. The main difference in convection baking is that the heat is circulated throughout the oven by the convection fan.



The Convection Bake mode is well-suited for baking large quantities of food on multiple racks. It can be used to prepare cookies, pies, cupcakes, pastries, breads, snack foods and appetizers among other items. The benefits of Convection Baking include:

- Slight decrease in cooking time
- Three rack cooking (more even browning)
- Higher Volume (yeast items rise higher)
- Ability to cook more items at once

For Best Results:

- Reduce recipe temperature by 25° F. Refer to Convection Baking chart.
- Place food in low-sided, uncovered pans such as cookie sheets without sides.
- Center baking pans side to side on the oven rack

Automatic Convection Conversion

In the convection bake mode, the temperature is automatically reduced 25° F from the package or recipe temperature. Simply enter the package or recipe temperature when setting the mode and the range calculates the correct temperature.

The Automatic Convection Conversion feature can be turned off to allow for manual temperature adjustment. See “Turn Automatic Convection Conversion ON or OFF” on page 12 for details.

When the Automatic Convection Conversion feature is activated, the display will read AUTO CONV BAKE. When the feature is turned off, it will read CONV BAKE.

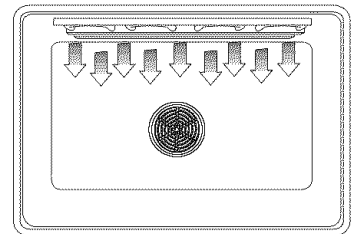
Table 4: Convection Baking Chart

Food	Item	Rack Position	Temp. (°F) (preheated oven) ^a	Convection Bake Time (min.) ^b
Cake	Cupcakes	3	350	18-21
	Bundt Cake	2	350	37-43
	Angel Food	1	350	39-43
Pie	2 Crust, fresh, 9"	2	400-450	45-55
	2 Crust, frozen fruit, 9"	2	400	68-78
Cookies	Sugar	3	375-400	6-11
	Chocolate Chip	3	375-400	10-15
	Brownie	3	375	29-36
Breads	Yeast bread, loaf, 9x5	2	400	20-24
	Yeast rolls	3	400-425	14-18
	Quick bread, loaf, 8x4	2	375-400	45-55
	Biscuits	3	400-425	11-15
	Muffins	3	450	16-20
Pizza	Frozen	3	425-475	23-26
	Fresh	3	450-475	12-15

- a. This temperature must be manually reduced by 25° F if the Automatic Convection Conversion feature has been turned off.
- b. This chart is a guide. Actual times depend on the mixes or recipes baked. Follow recipe or package directions.

**Broil**

Broiling uses intense heat radiated from the upper burner. The Broil mode is best suited to cooking thin, tender cuts of meat (1" or less), poultry and fish. It can also be used to brown breads and casseroles. Always broil with the door closed.



The benefits of Broiling include:

- Fast and efficient cooking
- Cooking without the addition of fats or liquids
- Browning as the food cooks

For Best Results:

- Preheat oven 3-4 minutes. Do not preheat for more than 5 minutes.
- Steaks and Chops should be at least 3/4" thick
- Brush fish and poultry with butter or oil to prevent sticking
- Use the broil pan and grid included with your range
- Do not cover the broiler grid with foil. It is designed to drain fats and oils away from the cooking surface to prevent smoking and spattering
- Turn meats once halfway through the recommended cooking time (see Broil Chart for examples).

- When top browning casseroles, use only metal or glass ceramic dishes such as Corningware®.
- Never use heat-proof glass (Pyrex®); they can't tolerate the high temperature.

Table 5: Broiling Chart

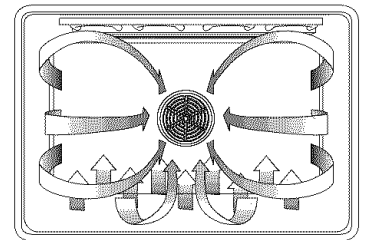
Food	Item / Thickness	Rack Position	Broil Setting	Internal Temp. (°F)	Time Side 1 (min.) ^a	Time Side 2 (min.) ^a
Beef	Steak (3/4"-1")					
	Medium Rare	5	high	145	6-7	5-6
	Medium	5	high	160	7-8	6-7
	Well	5	high	170	8-9	7-9
	Hamburgers (3/4"-1") - Well	5	high	160	9-11	8-10
Poultry	Breast (bone in)	4	low	170	18-20	18-19
Pork	Pork chops (1")	4	high	160	8-9	7-8
	Sausage - fresh	3	high	160	7-9	6-8
	Ham slice (1/2")	5	high	160	5-6	5-6
Seafood	Fish filets (3/4"-1") buttered	5	low	Cook until opaque and flakes easily	12-14	Do Not Turn
Bread	Garlic bread slices (1")	5	high	N/A	2-4	Do Not Turn

a. Broiling times are approximate and may vary slightly, Times are based on cooking with a preheated broil burner.



Convection Roast

Convection Roast uses intense heat from the lower burner as well as heat circulated by the convection fan. The result is a crispier exterior that seals in juices. The Convection Roast mode is well suited to preparing tender cuts of meat and poultry.



The benefits of Convection Roasting, include:

- As much as 25% faster cooking than standard Roasting/ Baking
- Rich, golden browning

For Best Results:

- Use the same temperature as indicated in the recipe.
- Check doneness early as roasting time may decrease by as much as 25%. Refer to Convection Roast Chart for examples.
- Do not cover meat or use cooking bags.
- Use the broil pan and grid provided with the range for roasting. A low-sided, uncovered pan can also be used.
- Use a meat thermometer to determine the internal temperature of the meat.
- If the meat is browned to your liking, but is not yet done, a small strip of foil can be placed over the meat to prevent overbrowning.
- Let meat stand covered with foil 10-15 minutes after removing from the oven.

Table 6: Convection Roast Chart

Meats	Item	Weight (lbs.)	Oven Temp.* (°F)	Roasting Time* (min. per lb.)	Internal Temp. (°F)
Beef	Rib roast	4-6	325	25-32	145 (med. rare) 160 (medium)
	Rib eye roast (boneless)	4-6	325	24-32	145 (med. rare) 160 (medium)
	Rump, eye, tip, sirloin (boneless)	3-6	325	25-30	145 (med. rare) 160 (medium)
	Tenderloin roast	2-3	425	15-25	145 (med. rare)

Table 6: Convection Roast Chart

Meats	Item	Weight (lbs.)	Oven Temp.* (°F)	Roasting Time* (min. per lb.)	Internal Temp. (°F)
Pork	Loin roast (boneless or bone in)	5-8	350	15-25	160
	Shoulder	3-6	350	20-30	160
Poultry	Chicken - whole	3-4	375	14-20	180
	Turkey - unstuffed**	12-15	325	10-14	180
	Turkey - unstuffed**	16-20	325	9-13	180
	Turkey - unstuffed**	21-25	325	6-10	180
	Turkey breast	3-8	325	20-25	170
	Cornish hen	1-1 1/2	350	45-75 (total time)	180

* Roasting times are approximate and may vary depending on shape of the meat.

** Stuffed turkey requires additional roasting time. The minimum safe temperature for stuffing in poultry is 165°F.

Cleaning and Maintenance

Cleaning - Cooktop



Caution:

Do not use any cleaner on the cooktop while the surface is hot; The resulting fumes can be hazardous to your health. Heated cleaner can chemically attack and damage surface.

Caution: All ignitors spark when any single burner is turned on. Do not touch any of the burners when the cooktop is in use.

Daily Cleaning

Wipe with a warm soapy water; Rinse and dry. After a spill or boilover, turn off the burner and allow the cooktop to cool. Clean around the burner and burner ports. Reassemble burner(s) and check for proper operation.

Cleaning Guidelines

Avoid these Cleaners

- Glass cleaners which contain ammonia or chlorine bleach. These ingredients may permanently etch or stain the cooktop.
- Caustic Cleaners
- Oven cleaners such as Easy Off® may etch the cooktop surface.
- Abrasive Cleaners
- Metal scouring pads and scrub sponges such as Scotch Brite® can scratch and/ or leave metal marks.
- Soap-filled scouring pads such as SOS® can scratch the surface.
- Powdery cleaners containing chlorine bleach can permanently stain cooktop

Table 7: Cooktop Cleaning Chart

Cooktop Part/Material	Suggested Technique(s)	Important Reminders
Burner Base / Enameled Steel	<ul style="list-style-type: none"> • Detergent and hot water; rinse and dry. • detergent-filled steel wool pads such as Brillo® or S.O.S.®. Rinse and dry. 	<ul style="list-style-type: none"> • Clean ports with a stiff nylon bristle toothbrush to clean port openings. • Do not scratch or gouge the port openings

Table 7: Cooktop Cleaning Chart

Cooktop Part/Material	Suggested Technique(s)	Important Reminders
Burner Caps and Grates / Matte Finish on Cast Iron	<ul style="list-style-type: none"> Hot water and detergent. Rinse and dry immediately Nonabrasive cleaners such as Fantastic[®] or Formula 409[®]. Rinse and dry immediately. Mild abrasive cleaners such as Bon Ami[®] or Soft Scrub[®]. 	<ul style="list-style-type: none"> The grates are heavy; use care when lifting. Place on a protected surface. Blisters / crazing / chips are common due to the extreme temperatures on grate fingers and rapid temperatures changes. Do not wash in the dishwasher Acidic and sugar-laden spills deteriorate the enamel. Remove soil immediately Abrasive cleaners, used too vigorously or too often, can eventually mar the enamel.
Control Knobs / Plastic	<ul style="list-style-type: none"> Hot sudsy water; rinse and dry immediately. 	<ul style="list-style-type: none"> To remove knobs, place in off position and pull straight out. Do not soak knobs. Do not force knobs onto valve shaft. Line up D-shaped opening with the valve shaft. Do not use abrasive scrubbers or cleansers, such as BonAmi[®], Ajax[®], or Comet[®]. They may permanently damage the finish.
Exterior finish / Porcelain Enamel	<ul style="list-style-type: none"> Hot sudsy water; rinse and dry thoroughly. Nonabrasive cleansers such as Fantastic[®] or Formula 409[®]. Mild abrasive cleansers such as Bon Ami[®], Ajax[®], Comet[®]. Liquid cleaners such as Soft Scrub[®]. 	<ul style="list-style-type: none"> Carefully reassemble the burner when finished. Verify that the burner cap is properly seated. Do not use a toothpick; it may break off. Acidic and sugar-laden spills deteriorate the porcelain enamel. Remove soil immediately. Do not use wet sponge or towel on hot porcelain. Do not soak burner caps. Always apply minimal pressure with abrasive cleaners. Never use oven cleaners, caustic cleaning agents or abrasive cleaning agents on exterior of range.
Exterior Finish / Stainless Steel	<ul style="list-style-type: none"> Hot water and detergent Non-abrasive cleaners such as Fantastic[®] or Formula 409[®]. Rinse and dry immediately. Cleaner polish such as Stainless Steel Magic[®] to protect the finish from staining and pitting; enhances appearance. Hard water spots: Household white vinegar. Mild Abrasive Cleaners: Kleen King[®] stainless steel liquid cleaner, Cameo[®] aluminum & stainless steel cleaner, Bon Ami[®]. Heat discoloration: Bar Keepers Friend[®]. 	<ul style="list-style-type: none"> Stainless steel resists most food stains and pit marks providing the surface is kept clean and protected. Use clean, soft cloths, sponges or paper towels. Wipe area dry to avoid water marks. Never allow food stains or salt to remain on stainless steel for any length of time. Rub lightly in the direction of polish lines. Chlorine or chlorine compounds in some cleaners are corrosive to stainless steel. Check ingredients on label before using.

Table 7: Cooktop Cleaning Chart

Cooktop Part/Material	Suggested Technique(s)	Important Reminders
Igniters / Ceramics	<ul style="list-style-type: none"> Carefully wipe with a cotton swab dampened with water, ammonia or a non-abrasive cleaner such as Formula 409®. Gently scrape soil off with a toothpick. 	<ul style="list-style-type: none"> Keep the ignitor ports clean for proper performance. It is necessary to clean these when there is a boilover or when the burner does not light even though the electronic ignitors click. A damp igniter will prevent burner from igniting. For proper burner performance, keep igniters clean and dry. Remove any lint that may remain after cleaning.

Cleaning - Oven

Daily Cleaning

Daily cleaning of the inside of the oven is not necessary. When soil builds up, use the self-clean function as explained in “Self Cleaning the Oven” on page 24. See “Oven Cleaning Chart” on page 24 for instructions for specific surfaces and items.

Cleaning Guidelines

Avoid these cleaners

- Do not use caustic cleaners such as Easy Off®. They may etch the surface.
- Flammable cleaners such as lighter fluid or WD-40

Table 8: Oven Cleaning Chart

Part	Recommendations
Racks	Wash with hot sudsy water. Rinse thoroughly and dry, or gently rub with cleansing powder or soap filled pads as directed. If racks are cleaned in the oven during the self-clean mode, they will lose their shiny finish and may not glide smoothly. If this happens, wipe the rack edges with a small amount of vegetable oil, then wipe off excess.
Fiberglass Door Gasket	DO NOT HAND CLEAN GASKET.
Glass (other than cooktop)	Wash with soap and water or glass cleaner. Use Fantastik® or Formula 409® to remove grease spatters and stubborn stains.
Painted Surfaces	Clean with hot sudsy water or apply Fantastik® or Formula 409® to a clean sponge or paper towel and wipe clean. Avoid using powdered cleansers, steel wool pads and oven cleaners.
Porcelain Surfaces	Immediately wipe up acid spills like fruit juice, milk and tomatoes with a dry towel. Do not use a moistened sponge/towel on hot porcelain. When cool, clean with hot sudsy water or apply Bon-Ami® or Soft Scrub® to a damp sponge. Rinse and dry. For stubborn stains, use soap filled pads. It is normal for porcelain to show fine lines with age due to exposure to heat and food soil.
Stainless Surfaces	Always wipe or rub with grain. Clean with a soapy sponge then rinse and dry, or wipe with Fantastik® or Formula 409® sprayed onto a paper towel. Protect and polish with Stainless Steel Magic® and a soft cloth. Remove water spots with a cloth dampened with white vinegar. Use Bar Keeper’s Friend® to remove heat discoloration.
Plastic & Controls	When cool, clean with soapy water, rinse and dry.

Self Cleaning the Oven

The oven features a self-cleaning function that eliminates the manual labor involved with cleaning your oven. During self-cleaning, the oven uses a very high temperature to burn away food soil and grease.

- Do not clean parts or accessories in the self-clean oven.

- It is common to see smoke and/or an occasional flame-up during the Self-Clean cycle, depending on the content and amount of soil remaining in the oven. If a flame persists, turn off the oven and allow it to cool before opening the door to wipe up the excessive food soil.
- The oven door locks at the beginning of the self-clean cycle.
- The oven light does not operate during this mode.
- During Self-Clean, the kitchen should be well ventilated to help eliminate odors associated with Self-Clean. Odors will lessen with use.
- Four hours is the preset length of cleaning. The range can also be set to clean for 3 or 5 hours.
- The mode automatically stops at the end of the clean hours.
- When the oven cools after cleaning, the automatic door lock will release and the door can be opened.
- To cancel or stop while the mode is operating, press OFF.
- The door will not unlock until the oven reaches a safe temperature.

Preparing the Oven for Self Clean



WARNING

A flexible door gasket is necessary for a good seal. Do not clean, rub, damage or move the gasket.

1. Remove all utensils and bakeware.
2. Remove oven racks. If oven racks are left in the oven during the self-clean cycle, they will permanently lose the shiny finish and change to a dull dark finish. See Oven Cleaning Chart for proper care.
3. Wipe up excessive soil, spills and grease before self-cleaning the oven. Excess grease will cause flames and smoke inside the oven during self-cleaning.

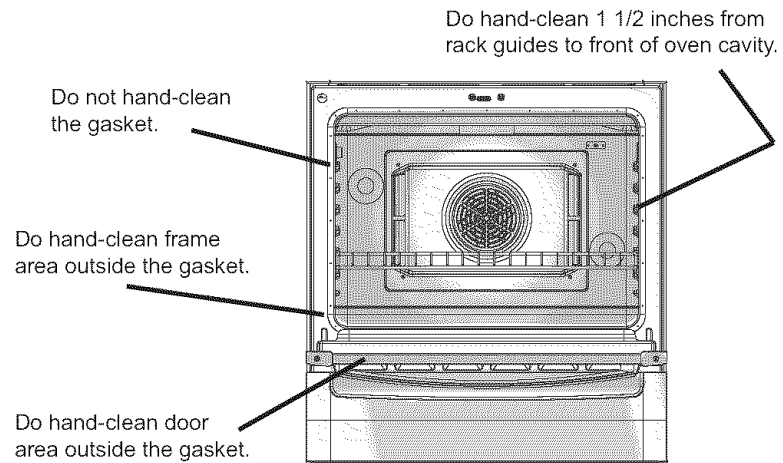


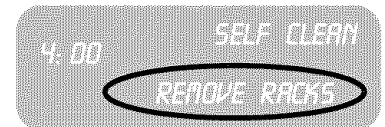
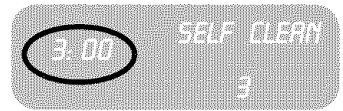
Figure 9: Cleaning Guidelines

4. Review illustration above. Some areas of the oven must be cleaned by hand before the cycle begins. Use a soapy sponge or plastic scrubber or a detergent-filled S.O.S.[®] pad. Hand-clean the oven door edge, oven front frame and up to 1-1/2 inches inside the frame with detergent and hot water. Do not clean or rub the gasket on the oven. The gasket is designed to hold in heat during the self-clean cycle. Rinse all areas thoroughly then dry.
5. Be sure oven light is turned off and the light bulbs and lens covers are in place. Do not operate oven without light bulb and cover in place.

Important: Do not use Commercial Oven Cleaners on the self-clean oven or any part because they will damage the finish or part.

Setting the Self-Clean Mode

1. Press COOKING MODE.
2. Turn knob until SELF CLEAN mode appears. Press START.
3. The default cleaning time is 4 hours. To change cleaning time, turn knob to change number of hours. Otherwise, continue to step 4.
4. Press START. SELF CLEAN flashes. Press START.
5. REMOVE RACKS appears in the display as a reminder to remove oven racks.
6. Press START again to begin the self-clean.



Note: The door locks at the beginning of the cycle; The door lock symbol will appear in the display at this point. If door does not lock, press OFF and do not self-clean; phone service.

Delaying the Start of the Self-Clean

Note: The time of day must be correctly set for this option to work properly. See section "Setting the Clock" in "Setting Up Your Range".

1. Press COOKING MODE.
2. Turn knob until SELF CLEAN mode appears. Press START.
3. The default cleaning time is 4 hours. To change cleaning time, turn knob to change number of hours. Otherwise, continue to step 4.
4. Press START.
5. Turn knob until DELAYED CLEAN mode appears. Press START.
6. SELF CLEAN END appears in the display.
7. Turn knob to enter the time of day you want the self-clean to end: Set hours, press time, set minutes.
8. Press START. The display will remind you to remove oven racks.
9. Press START. The display shows DELAYED CLEAN. The self-clean will automatically start at the appropriate time.



Note: In the Delayed Self-Clean Mode, the door latch automatically activates at the beginning of the cycle. The door lock symbol will appear in the display.

Note: The oven lights do not operate in the Self-Clean mode.

After Self-Cleaning

1. At the end of the programmed cleaning time, the oven will automatically turn off. SELF CLEAN END appears in the display. Press OFF to clear.

Note: The door will not unlock until the oven reaches a safe temperature.

2. The self-clean mode may produce ash which will settle in the bottom of the oven. If this happens, remove ash with a damp cloth before using the oven.
3. Wipe rack edges with cooking oil to allow for proper glide. Wipe off excess.

After self-cleaning, the entire oven can be safely cleaned with a soapy sponge, rinsed and dried. If stubborn soil remains, follow the guidelines on this page.

- Always use the mildest cleaner that will remove the soil.
- Rub metal finishes in the direction of the grain.
- Use clean, soft cloths, sponges or paper towels.
- Rinse thoroughly with a minimum of water so it does not drip into door slots.
- Dry to avoid water marks.

Cleaning - Drawer

Daily Cleaning

Wash with hot soapy water, rinse and dry.

Maintenance

Cooktop Maintenance

Stainless Steel Cooktop Models

No maintenance is required other than daily cleaning as described in "Cleaning Guidelines" on page 22

Oven Maintenance

Removing the Door

1. Be sure to read the WARNING below before attempting to remove oven door.

WARNING

When removing the door:

- Make sure oven is cool and power to the oven has been turned off before removing the door. Failure to do so could result in electrical shock or burns.
- The oven door is heavy and fragile. Use both hands to remove the oven door. The door front is glass. Handle carefully to avoid breaking.
- Grasp only the sides of the oven door. Do not grasp the handle as it may swing in your hand and cause damage or injury.
- Failure to grasp the oven door firmly and properly could result in personal injury or product damage.
- To avoid injury from hinge bracket snapping closed, be sure that both levers are securely in place before removing door. Also, do not force door open or closed - the hinge could be damaged and injury could result.

2. Open the door completely.
3. Flip lever on hinge toward you.

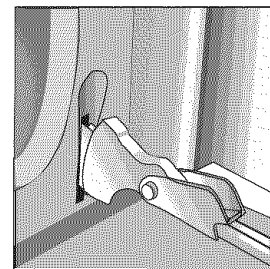
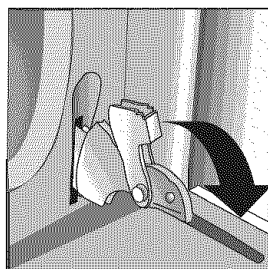
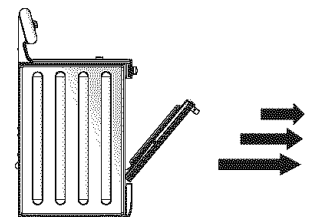


Figure 10: Hinge Positions

4. Close the door to approximately halfway open. Stop when you feel resistance from the hinge..
5. Holding the door firmly on both sides using both hands, pull the door straight out of the hinge slots. Hold firmly, the door is heavy.
6. Place the door in a convenient and stable location for cleaning.



Replacing the Oven Door

1. Holding the door firmly in both hands, place hinges in hinge slots.
2. Open door all the way to expose hinges and slots. Push lever (one on each hinge) away from you (back toward range).

3. After moving the hinge brackets back down into position, be sure to close and open the door slowly to assure that it is correctly and securely in place.
4. Door should be straight, not crooked.

Replacing an Oven Light

Each light assembly consists of a removable lens, a light bulb and a light socket housing that is fixed in place.



WARNING

- Make sure the appliance and lights are cool and power to the appliance has been turned off before replacing the light bulb(s). Failure to do so could result in electrical shock or burns.
- The lenses (if equipped) must be in place when using the appliance.
- The lenses (if equipped) serve to protect the light bulb from breaking.
- The lenses (if equipped) are made of glass. Handle carefully to avoid breaking. Broken glass could cause an injury.
- Light socket is live when door is open

1. Read the WARNING above.
2. Turn off power at the main power supply (fuse or breaker box).
3. Remove the lens by unscrewing it.
4. Remove the light bulb from its socket by unscrewing it.
5. Replace the bulb with a new 40 watt appliance bulb. Avoid touching the bulb with fingers, as oils from hands can damage the bulb when it becomes hot.
6. Screw the lens back on.
7. Turn power back on at the main power supply (fuse or breaker box).

Service

Before Calling Service

Use these suggestions before calling for service to avoid service charges

Troubleshooting Charts

The Cooktop

Table 9: Cooktop Troubleshooting Chart

Cooktop Problem	Possible Causes and Suggested Solutions
Cooking results are not what was expected.	<ul style="list-style-type: none"> • The cooktop is not level. Adjust leveling legs on bottom of range. • Cooking pan is not the appropriate size or type. See "Cookware Selection Guide".
Water takes too long to boil	<ul style="list-style-type: none"> • Time to boil can vary greatly depending on environmental conditions. See "Boiling Water" on page 16 for tips to decrease time to boil.
Burners click continuously	<ul style="list-style-type: none"> • Knob(s) are in the "light" position. Turn knobs to the "OFF" position or to desired flame setting.
Burners click intermittently	<ul style="list-style-type: none"> • Moisture has accumulated inside the ignitor. Turn both front burners to the highest setting for 15-20 minutes then turn to OFF.

Table 9: Cooktop Troubleshooting Chart

Cooktop Problem	Possible Causes and Suggested Solutions
Surface burners do not light	<ul style="list-style-type: none"> Gas is turned off. Make sure the gas shut-off valve is in the ON position and the gas supply to the house is not shut off. Unit is not hooked up to the gas supply. Call gas company. Plug is not completely inserted into outlet or the house wiring is incorrect. Check the power supply, verify that the unit is grounded with the correct polarity, make sure the unit is plugged in. Circuit breaker is tripped. Check circuit breaker and reset if necessary. Check and/or replace fuse. Burner ports are clogged. Turn the cooktop off and allow the burners to cool. Remove burner caps and use a stiff nylon bristle toothbrush to push debris through burner ports. Misaligned burner cap. Verify that burner caps are properly positioned over burners. Ignitor is wet, damaged or dirty. Check ignitor for moisture. If wet, allow to air dry before using. Check for burned-on food or grease. See cleaning recommendations. Burner will not light if ignitor is wet, damaged or dirty.
Uneven or too high flame; burner is hard to light	<ul style="list-style-type: none"> Burner ports are clogged. Turn the cooktop off and allow the burners to cool. Remove burner caps and use a stiff nylon bristle toothbrush to push debris through burner ports. Misaligned burner cap. Verify that burner caps are properly positioned over burners. Burner cap is wet. Turn off burner and allow to cool. Dry burner cap and base thoroughly.
Uneven flame - LP gas users	<ul style="list-style-type: none"> Call service

The Oven

Table 10: Oven Troubleshooting Chart

Oven Problem	Possible Causes and Suggested Solutions
The oven mode or temperature selected or the numbers selected do not appear in the display	The knob was turned too rapidly. Turn knob slower until correct wording or temperature appears. Review manual instructions when setting clock, timer, or Self-Clean.
Oven door is locked and will not release, even after cooling	Turn the oven off at the circuit breaker and wait 5 minutes. Turn breaker back on. The oven should reset itself and will be operable.
Oven is not heating	Check circuit breaker or fuse box to your house. Make sure there is proper electrical power to the oven. Be sure oven temperature has been selected.
Oven is not cooking evenly	Adjust oven calibration if necessary (see "Change the Oven Temperature Offset" on page 11). Refer to cooking charts for recommended rack position.
Baking results are not as expected	Refer to cooking charts for recommended rack position. Check "Getting the Most Out of Your Oven" on page 18 for tips and suggestions. Adjust oven calibration if necessary (see "Change the Oven Temperature Offset" on page 11).
Food takes longer to cook than expected	The oven is carefully calibrated to provide accurate results. However, the temperature can be offset if food is consistently too brown or too light. See "Change the Oven Temperature Offset" on page 11.

Table 10: Oven Troubleshooting Chart

Oven Problem	Possible Causes and Suggested Solutions
Food is overcooked	The oven is carefully calibrated to provide accurate results. However, the temperature can be offset if food is consistently too brown or too light. See "Change the Oven Temperature Offset" on page 11.
Convection Bake Results are not as expected	If the Automatic Convection Conversion Feature is turned off, the temperature must be manually reduced by 25°F. If the feature is active, the temperature is automatically adjusted. See "Turn Automatic Convection Conversion ON or OFF" on page 12 for more information. Refer to cooking charts and tips for rack positions, cooking times and pan selection. Adjust oven calibration if necessary. See "Change the Oven Temperature Offset" on page 11.
Oven temperature is too hot or too cold	The oven thermostat needs adjustment. See Oven Temperature Offset.
Oven light is not working properly	Replace or reinsert the light bulb if loose or defective. Touching the bulb with fingers may cause the bulb to burn out.
Oven light will not turn off	Check for obstruction in oven door. Check to see if hinge is bent. When the Sabbath feature is activated, the oven light will stay on or off (as selected during set-up) during the entire Sabbath mode.
Cannot remove lens cover on light	There may be soil build-up around the lens cover. Wipe lens cover area with a clean dry towel prior to attempting to remove the lens cover.
Oven will not Self-Clean properly	Allow the oven to cool before running Self-Clean. Always wipe out loose soils or heavy spillovers before running Self-Clean. If oven is badly soiled, set oven for a five-hour Self-Clean. See Preparing the Oven to Self-Clean.
Clock and timer are not working properly	Make sure there is electrical power to oven. See Clock and Timer sections.
Porcelain chips	When oven racks are removed and replaced, always tilt racks upward and do not force them to avoid chipping the porcelain.
"F" and a number appears in display and control beeps	This is a fault code. Press Off to clear the display and stop beeping. Reset oven if necessary. If fault code remains and beep continues, record fault code, cancel oven and call authorized service technician.
With a new range there is a strong odor when oven is turned on	This is normal with a new range and will disappear after a few uses. Operating the self-clean cycle will also "burn-off" the smell more quickly.
Control does not react when the pad is touched	Be sure that pad is clean. Touch the center of the touchpad. Use the flat part of your finger.
Fan is not running during a convection mode	On some modes, the convection fan does not come on at the beginning of the cycle. This is normal. If the fan is not running at the beginning of the cycle, wait 15 minutes and then check again. If the fan is still not running, call service.
Fan turns off and on during the cycle	The convection fan turns off while the oven door is open. It resumes when the door is closed again.
Fan is running during modes that don't use convection	On some models, the convection fan will run while the oven is preheating for the bake mode. This is normal.
Warm air or steam escapes from oven vent	It is normal to see or feel steam or warm air escaping from the oven vent. Do not block the vent.

How to Obtain Service or Parts

To reach a service representative, see the contact information at the front of the manual. Please be prepared with the information printed on your product data plate when calling.

Product Data Plate

The data plate shows the model and serial number. Refer to the data plate on the appliance when requesting service. It is located on the frame near the drawer. Open the drawer to view it.

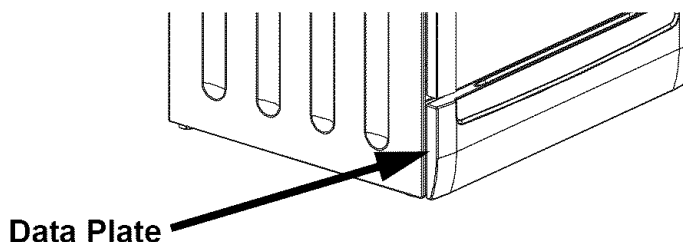


Figure 11: Data Plate

Waranty

What this Warranty Covers & Who it Applies to:

The limited warranty provided BSH Home Appliances Bosch in this Statement of Limited Product Warranty applies only to the Bosch freestanding and slide-in range, ("Product") sold to you, the first using purchaser, provided that the Product was purchased: (1) for your normal, household (non-commercial) use, and has in fact at all times only been used for normal household purposes; (2) new at retail (not a display, "as is", or previously returned model), and not for resale, or commercial use; and (3) within the United States or Canada, and has at all times remained within the country of original purchase. The warranties stated herein apply only to the first purchaser of the Product and are not transferable.

Please make sure to return your registration card; while not necessary to effectuate warranty coverage, it is the best way for Bosch to notify you in the unlikely event of a safety notice or product recall.

How Long the Warranty Lasts:

Bosch warrants that the Product is free from defects in materials and workmanship for a period of three hundred sixty-five days (365) days from the date of purchase. The foregoing timeline begins to run upon the date of purchase, and shall not be stalled, tolled, extended, or suspended, for any reason whatsoever.

Repair/Replace as Your Exclusive Remedy:

During this warranty period, Bosch or one of its authorized service providers will repair your Product without charge to you (subject to certain limitations stated herein) if your Product proves to have been manufactured with a defect in materials or workmanship. If reasonable attempts to repair the Product have been made without success, then Bosch will replace your Product (upgraded models may be available to you, in Bosch's sole discretion, for an additional charge). All removed parts and components shall become the property of Bosch at its sole option. All replaced and/or repaired parts shall assume the identity of the original part for purposes of this warranty and this warranty shall not be extended with respect to such parts. Bosch's sole liability and responsibility hereunder is to repair manufacturer-defective Product only, using a Bosch-authorized service provider during normal business hours. For safety and property damage concerns, Bosch highly recommends that you do not attempt to repair the Product yourself, or use an un-authorized servicer; Bosch will have no responsibility or liability for repairs or work performed by a non-authorized servicer. If you choose to have someone other than an authorized service provider work on your Product, THIS WARRANTY WILL AUTOMATICALLY BECOME NULL AND VOID. Autho-

rized service providers are those persons or companies that have been specially trained on Bosch products, and who possess, in Bosch's opinion, a superior reputation for customer service and technical ability (note that they are independent entities and are not agents, partners, affiliates or representatives of Bosch). Notwithstanding the foregoing, Bosch will not incur any liability, or have responsibility, for the Product if it is located in a remote area (more than 100 miles from an authorized service provider) or is reasonably inaccessible, hazardous, threatening, or treacherous locale, surroundings, or environment; in any such event, if you request, Bosch would still pay for labor and parts and ship the parts to the nearest authorized service provider, but you would still be fully liable and responsible for any travel time or other special charges by the service company, assuming they agree to make the service call.

Out of Warranty Product:

Bosch is under no obligation, at law or otherwise, to provide you with any concessions, including repairs, pro-rates, or Product replacement, once this warranty has expired.

Warranty Exclusions:

The warranty coverage described herein excludes all defects or damage that are not the direct fault of Bosch, including without limitation, one or more of the following: (1) use of the Product in anything other than its normal, customary and intended manner (including without limitation, any form of commercial use, use or storage of an indoor product outdoors, use of the Product in conjunction with air or water-going vessels); (2) any party's willful misconduct, negligence, misuse, abuse, accidents, neglect, improper operation, failure to maintain, improper or negligent installation, tampering, failure to follow operating instructions, mishandling, unauthorized service (including self-performed "fixing" or exploration of the appliance's internal workings); (4) adjustment, alteration or modification of any kind; (5) a failure to comply with any applicable state, local, city, or county electrical, plumbing and/or building codes, regulations, or laws, including failure to install the product in strict conformity with local fire and building codes and regulations; (6) ordinary wear and tear, spills of food, liquid, grease accumulations, or other substances that accumulate on, in, or around the Product; and (7) any external, elemental and/or environmental forces and factors, including without limitation, rain, wind, sand, floods, fires, mud slides, freezing temperatures, excessive moisture or extended exposure to humidity, lightning, power surges, structural failures surrounding the appliance, and acts of God. In no event shall Bosch have any liability or responsibility whatsoever for damage to surrounding property, including cabinetry, floors, ceilings, and other structures or objects around the Product. Also excluded from this warranty are scratches, nicks, minor dents, and cosmetic damages on external surfaces and exposed parts; Products on which the serial numbers have been altered, defaced, or removed; service visits to teach you how to use the Product, or visits where there is nothing wrong with the Product; correction of installation problems (you are solely responsible for any structure and setting for the Product, including all electrical, plumbing or other connecting facilities, for proper foundation/flooring, and for any alterations including without limitation cabinetry, walls, floors, shelving, etc.); and resetting of breakers or fuses. TO THE EXTENT ALLOWED BY LAW, THIS WARRANTY SETS OUT YOUR EXCLUSIVE REMEDIES WITH RESPECT TO PRODUCT, WHETHER THE CLAIM ARISES IN CONTRACT OR TORT (INCLUDING STRICT LIABILITY, OR NEGLIGENCE) OR OTHERWISE. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED. ANY WARRANTY IMPLIED BY LAW, WHETHER FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, SHALL BE EFFECTIVE ONLY FOR THE PERIOD THAT THIS EXPRESS LIMITED WARRANTY IS EFFECTIVE. IN NO EVENT WILL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, "BUSINESS LOSS", AND/OR PUNITIVE DAMAGES, LOSSES, OR EXPENSES, INCLUDING WITHOUT LIMITATION TIME AWAY FROM WORK, HOTELS AND/OR RESTAURANT MEALS, REMODELLING EXPENSES IN EXCESS OF DIRECT DAMAGES WHICH ARE DEFINITELY CAUSED EXCLUSIVELY BY Bosch, OR OTHERWISE. SOME

STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, AND SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. No attempt to alter, modify or amend this warranty shall be effective unless authorized in writing by an officer of BSH.

How to Obtain Warranty Service:

To obtain warranty service for your Product, you should contact the nearest Bosch authorized service center.

BSH Home Appliances - 5551 McFadden Avenue, Huntington Beach, CA 92649 / 800-944-2904



BOSCH

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