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Product Record

In this space below, record the date of purchase, model and serial number of your product. You will find the model and serial number printed on an identification plate. The identification plate is located on the right side of the oven front frame in the storage compartment.

Model No. 790.

Serial No.

Date of Purchase

Save these instructions and your sales receipt for future reference.

Free-Standing Range Warranty

FULL ONE YEAR WARRANTY ON ALL PARTS

If, within one year from the date of installation, any part fails to function properly due to a defect in material or workmanship, Sears will repair or replace it, at our option, free of charge.

LIMITED WARRANTY ON CERAMIC-GLASS COOKTOP AND RADIANT SURFACE COOKING ELEMENTS

For the second through fifth year from the date of installation, Sears will at our option repair or replace parts with defects as listed below. You pay for labor.

- Cracking of the ceramic-glass cooktop due to thermal shock
 - Cracking of the rubber seal between the ceramic-glass cooktop and the porcelain edge
- Discoloration of the ceramic-glass cooktop
- Wear-off of the pattern on the ceramic-glass.
- Burn-out of any of the radiant surface cooking elements

If the product is subjected to other than private family use, the above warranty is effective for only 90 days. WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER IN THE UNITED STATES. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Sears Roebuck and Co. Dept. 817 WA Hoffman Estates, IL 60179

To Further Add To The Value Of Your Range, Buy a Sears Maintenance Agreement.

Years of Ownership Coverage	1st Year	2nd Year	3rd Year
1. Replacement of Defective Parts other than Ceramic-Glass Cooktop and Radiant Surface Cooking elements	W	МА	MA
2. Ceramic-Glass Cooktop and Radiant Surface Cooking elements	W	W	W
3. Labor	W	MA	MA
4. Annual Preventive Maintenance Check at your request	МА	MA	МА

W=Warranty MA=Maintenance Agreement

Kenmore Ranges are designed, manufactured, and tested for years of dependable operation. Yet, any major home appliance may require service from time to time. The Sears Warranty plus the Sears Maintenance Agreement helps provide protection from unexpected repair bills.

The chart above compares the warranty and Maintenance Agreement and shows you the benefits of a Sears Range Maintenance Agreement.

Contact your Sears Sales Associate or Local Sears Service Center today and purchase a Sears Maintenance Agreement.

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance. Save these instructions for future reference.

This manual contains many important safety messages. Always read and obey all safety messages.

This is the safety alert symbol. It alerts you to safety messages that inform you of hazards that can kill or hurt you or others, or cause damage to the product.

WARNING Indicates an imminently hazardous situation which, if not avoided may result in death or serious injury.

CAUTION Indicates an imminently hazardous situation which, if not avoided may result in minor or moderate injury, or product-damage-only.

All safety messages will identify the hazard, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.



WARNING

- All ranges can tip.
- Injury to persons could result.
- Install anti-tip device packed with range.
- See Installation Instructions.

To reduce the risk of tipping, the range must be secured by properly installed anti-tip bracket provide with the range. To check if the bracket is installed properly, visually check that rear leveling leg is inserted into and fully secured by the anti-tip bracket by removing lower panel or storage drawer. For models with a warmer drawer or broiler compartment, grasp the top rear edge of the range and carefully attempt to tilt it forward. Refer to the Installation Instructions for proper anti-tip bracket installation.

- Remove all tape and packaging before using the range. Destroy the carton and plastic bags after unpacking the range. Never allow children to play with packaging material.
- Proper Installation—Be sure your appliance is properly installed and grounded by a qualified technician in accordance with the National Electrical Code ANSI/NFPA No. 70 latest edition and local electrical code requirements. Install only per installation instructions provided in the literature package for this range.

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

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

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

WARNING Stepping, leaning or sitting on the doors or drawers of this range can result in serious injuries and also cause damage to the range. Do not allow children to climb or play around the range. The weight of a child on an open door may cause the range to tip, resulting in serious burns or other injury.

ENGLISH

WARNING Do not use the oven or warmer drawer for storage.

CAUTION Do not store items of interest to children in the cabinets above a range or on the backguard of a range. Children climbing on the range to reach items could be seriously injured.

WARNING Never Use Your Appliance for Warming or Heating the Room.

- Storage in or on Appliance—Flammable materials should not be stored in an oven, warmer drawer, broiler compartment, near surface units or in the storage drawer. This includes paper, plastic and cloth items, such as cookbooks, plasticware and towels, as well as flammable liquids. Do not store explosives, such as aerosol cans, on or near the range.
- Do Not Leave Children Alone---Children should not be left alone or unattended in the area where appliance is in use. They should never be allowed to sit or stand on any part of the appliance.
- DO NOT TOUCH SURFACE UNITS, AREAS NEAR THESE UNITS, HEATING ELEMENTS OR INTERIOR SURFACES OF THE OVEN. Both surface units and oven heating elements 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 or other flammable materials touch these areas until they have had sufficient time to cool. Among these areas are the cooktop, surfaces facing the cooktop, the oven vent openings and surfaces near these openings, oven door and window.
- Wear Proper Apparel—Loose-fitting or hanging garments should never be worn while using the appliance. Do not let clothing or other flammable materials contact hot surfaces.
- Do Not Use Water or Flour on Grease Fires—Smother the fire with a pan lid, or use baking soda, a dry chemical or foam-type extinguisher.

IMPORTANT SAFETY INSTRUCTIONS

- When heating fat or grease, watch it closely. Fat or grease may catch fire if allowed to become too hot.
- Use Only Dry Potholders—Moist or damp potholders on hot surfaces may result in burns from steam. Do not let potholders touch hot heating elements. Do not use a towel or other bulky cloth instead of a potholder.
- Do Not Heat Unopened Food Containers—Buildup of pressure may cause container to burst and result in injury.
- Remove the oven door from any unused range if it is to be stored or discarded.

IMPORTANT—Do not attempt to operate the range during a power failure. If the power fails, always turn off the range. If the range is not turned off and the power resumes, the range will begin to operate again. Once the power resumes, reset the clock and oven function.

IMPORTANT INSTRUCTIONS FOR USING YOUR COOKTOP

- Know which knob controls each surface heating unit. Place a pan of food on the unit before turning it on, and turn the unit off before removing the pan.
- Use Proper Pan Size—This appliance is equipped with one or more surface units of different sizes. Select utensils having flat bottoms large enough to cover the surface unit heating element. The use of undersized utensils will expose a portion of the heating element to direct contact and may result in ignition of clothing. Proper relationship of utensil to element will also improve efficiency.
- Utensil Handles Should Be Turned Inward and Not Extend Over Adjacent Surface Units—To reduce the risk of bums, ignition of flammable materials, and spillage due to unintentional contact with the utensil, the handle of the utensil should be positioned so that it is turned inward, and does not extend over adjacent surface units.
- Never Leave Surface Units Unattended at High Heat Settings—Boilovers cause smoking and greasy spillovers that may ignite, or a pan that has boiled dry may melt.
- Protective Liners—Do not use aluminum foil to line oven bottom, or any other part of the range. Only use aluminum foil as recommended in this manual. Improper installation of these liners may result in risk of electric shock, or fire.
- Glazed Cooking Utensils—Only certain types of glass, glass/ ceramic, ceramic, earthenware, or other glazed utensils are suitable for cooktop service without breaking due to the sudden change in temperature. Check the manufacturer's recommendations for cooktop use.

FOR GLASS COOKTOPS

- Do Not Cook on Broken Cooktop—If cooktop should break, cleaning solutions and spillovers may penetrate the broken cooktop and create a risk of electric shock. Contact a qualified technician immediately.
- Clean Cooktop with Caution—If a wet sponge or cloth is used to wipe spills on a hot cooking area, be careful to avoid a steam burn. Some cleaners can produce noxious fumes if applied to a hot surface.

IMPORTANT INSTRUCTIONS FOR USING YOUR OVEN

- Use Care When Opening Oven Door or Warmer Drawer— Stand to the side of the range when opening the door of a hot oven. Let hot air or steam escape before you remove or replace food in the oven.
- Keep Oven Vent Ducts Unobstructed. The oven vent is located below the backguard. Touching the surfaces in this area when the oven is operating may cause severe burns. Also, do not place plastic or heat-sensitive items on or near the oven vent. These items could melt or ignite.
- Placement of Oven Racks. Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot use extreme caution. Use potholders and grasp the rack with both hands to reposition. Do not let potholders contact the hot heating elements in the oven. Remove all utensils from the rack before moving.
- Do not use the broiler pan without its insert. The broiler pan and its insert allow dripping fat to drain and be kept away from the high heat of the broiler.
- Do not cover the broiler insert with aluminum foil. Exposed fat and grease could ignite.
- Cold temperatures can damage the electronic control. When using the appliance for the first time, or when the appliance has not been used for an extended period of time, be certain the unit has been in temperatures above 32°F (0°C) for at least 3 hours before turning on the power to the appliance

IMPORTANT INSTRUCTIONS FOR CLEANING YOUR RANGE

- Clean the range regularly to keep all parts free of grease that could catch fire. Pay particular attention to the area underneath each surface element. Do not allow grease to accumulate. Refer to the hood manufacturer's instructions for cleaning.
- Kitchen cleaners and aerosols—Always follow the manufacturer's recommended directions for use. Be aware that excess residue from cleaners and aerosols may ignite causing damage and injury.

SELF CLEANING OVENS

- Clean in the self-cleaning cycle only the parts listed in this **Owner's Guide.** Before self cleaning the oven, remove the broiler pan and any utensils or foods from the oven.
- Do Not Use Oven Cleaners—No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- Do Not Clean Door Gasket---The door gasket is essential for a good seal. Care should be taken not to rub, damage or move the gasket.

SAVE THESE INSTRUCTIONS



The oven can be programmed to:

- Bake normally
- Time bake
- Broil
- Self-clean

For a silent control panel:

When choosing a function, a beep will be heard each time a pad is pushed. If desired, the controls can be

programmed for silent operation. Push and hold (TOP). After 7 seconds, the control will beep once. This will block the

controls from sounding when a pad is pushed. To return the sound, push and hold () again for 7 seconds until 1 beep is heard.

Note: The control will return to the audible mode after a power outage.

Temperature conversion:

The electronic oven control is set to operate in °F (Fahrenheit) when shipped from the factory. The oven can be programmed for any temperature from 170°F to 550°F (65°C to 287°C).

To change the temperature to °C (Celsius) or from °C to °F (control should not be in a Bake or Clean mode):

- 1. Push (WARL). "- - " appears in the display.
- 2. Push and hold the number of the display.
- 3. Push and hold (WARL) until °F or °C appears in the display.
- 4. Push the \frown or \frown to change °F to °C or °C to °F.
- 5. Push any function pad to return to normal operating mode.

Setting the Clock and Minute Timer



To Set the Clock

When the range is first plugged in, or when the power supply to the range has been interrupted, the display will flash "12:00".

- 1. Push CLOCK

Note: The oven function will not work if the time of day clock is not set.

2. Within 5 seconds, push and hold the $[\land]$ or $[\lor]$ until the correct time of day appears in the display.

Note: The clock cannot be changed during any timed bake or self-clean cycle.

To Set the Minute Timer

- 1. Push [IMER]
- 2. Push the $[\land]$ to increase the time in one minute increments. Push

and hold the $[\land]$ to increase the time in 10 minute increments. The timer can be set for any amount of time from 1 minute to 11 hours and 59 minutes.

Note: If you push the $[\checkmark]$ first, the timer will advance to 11 hours and 59 minutes.

- 3. The display shows the timer count down in minutes until one minute remains. Then the display will count down in seconds.
- 4. When the set time has run out, the timer will beep 3 times. It will then

continue to beep 3 times every 60 seconds until [TIMER] is pushed.

Note: The minute timer does not start or stop cooking. It serves as an extra timer in the kitchen that will beep when the set time has run out. The minute timer can be used alone or during any of the other oven functions. When the minute timer is in use with any other mode, the minute timer will be shown in the display. To view other functions, push the function pad for that mode.

To Change the Minute Timer while it is in use:

While the timer is active and shows in the display, push and hold the [^

 \checkmark to increase or decrease the time. or |

To Cancel the Minute Timer before the set time has run out:

Push [TIMER

Surface Cooking	Ceramic-Glass Cooktop The ceramic-glass cooktop has electric heating coils located below the surface of the glass. The design of the glass cooktop outlines the area of the surface unit below. Most importantly, make sure the diameter of the pan matches the diameter of the unit. Heat is transferred up through the surface of the cooktop to the cooking utensil. Only flat-bottomed pans should be used. The type and size of the cookware, number of surface unit in use and the settings of the units are factors that will affect the amount of heat that will spread to areas surrounding the surface units. The areas surrounding the units may become hot enough to cause burns.	
	The cooktop should not be used as a cutting board or work surface in the kitchen. Dropping heavy or hard objects on the cooktop may crack it. Pans with rough bottoms may scratch the cooktop surface. Do not place foods directly on the smoothtop surface (without cooking utensils) damage to glass or difficulty in cleaning will result.	
	Radiant Surface Units The Radiant Surface Unit is a group of heating coils enclosed in a ceramic fixture below the glass cooktop. The unit temperature rises gradually and evenly. As the temperature rises, the unit will glow red. To maintain the selected setting, the unit will cycle on and off. The heating unit retains enough heat to provide a uniform and consistent heat during the off cycle. The ceramic fixture thermally insulates the heating unit, concentrating heat in the heating zone. For efficient cooking, turn off the unit several minutes before cooking is complete. This will allow residual heat to complete the cooking process. The amount of residual heat depends on the type and quality of cooking utensil, the quantity of food being cooked and the selected heat setting.	
·	Dual Radiant Surface Units (If equipped) The dual radiant surface unit is made up of an inner and outer coil within the same surface unit. A control knob and rocker switch is used for operating the different coils. The smaller unit or inner coil has a lower wattage and can be used to prepare smaller quantities of food in smaller pans. The larger unit or both inner and outer coils has a higher wattage and can be used to prepare larger quantities of food in larger pans. When using the outer coil, both inner and outer coils operate.	
Indicator Light(s)	There are 2 different surface control lights that will glow on your range—a surface indicator and a hot cooktop surface indicator.	
	The surface indicator , located on the control panel, glows when any surface unit is turned on. A quick glance at the light after cooking is an easy check to be sure all surface controls are turned off.	
	The hot cooktop surface indicator, located under the glass cooktop or on the control panel, will come on as the surface cooking area heats up and will continue to glow until the glass cooktop has cooled down to a moderate level.	

Setting Surface Controls



To Operate Radiant Surface Units

Push in and turn the Surface Unit Control Knob in either direction to the desired setting. Each surface unit provides a constant amount of heat at each setting. Start most cooking operations on a higher setting; then turn to a lower setting to finish. A glowing red surface unit extending beyond the bottom edge of the cooking utensil indicates the utensil is too small for the unit. The control knob does not have to be set exactly on a particular mark. Use the marks as a guide and adjust the control knob as needed.

To Operate Dual Radiant Surface Units (If equipped) Set the rocker switch to the desired coil size. • Indicates inner coil only.

Indicates both inner and outer coils operate. You may switch from

either coil setting at any time during the cooking process. Push in and turn the Dual Surface Unit Control Knob in either direction to the desired setting.

NOTE: Radiant elements have a limiter that allows the element to cycle on and off, even at the HI setting. This helps to prevent damage to the glasstop. Cycling at the HI setting is normal and can occur if the pan is too small for the element or if the pan bottom is not flat.

CAUTION After turning a Radiant Surface Unit OFF, be careful not to touch either unit until it has had enough time to COOL. Surface Units will turn dark in color after they have been turned off and burns may occur if the units are touched at this time.

CAUTION Do not place plastic items such as salt and pepper shakers, spoon holders or plastic wrappings on top of the range when it is in use. These items could melt or ignite. Potholders, towels or wooden spoons could catch fire if placed too close to the unit.

ENGLISH

Setting Warm Zone Controls (if equipped)

Use the warm zone to keep cooked foods hot such as: vegetables, gravies, casseroles, soups, stews, breads, pastries and oven-safe dinner plates.



Warm Zone Recommended Food Settings Chart		
Food Item	Heating Level	
Breads/Pastries	LO	
Casseroles	ŁO	
Dinner Plates with Food	LO	
Eggs	LO	
Gravies	LO	
Meats	MED	
Sauces	MED	
Soups (cream)	MED	
Stews	MED	
Vegetables	MED	
Fried Foods	HI	
Hot Beverages	HI	
Soups (liquid)	HI	

To Operate the Warm Zone

The purpose of the warm zone is to keep hot cooked foods at serving temperature. Always start with hot food. It is not recommended to heat cold food on the warm zone.

All food placed on the warm zone should be covered with a lid or aluminum foil to maintain quality. For best results, when warming pastries or breads, the cover should have an opening to allow moisture to escape. Do not use plastic wrap to cover food. Plastic may melt onto the surface and be very difficult to clean.

Use only dishware, utensils and cookware recommended for oven and cooktop use on the warm zone.

CAUTION Unlike the surface elements, the warm zone will not glow red when it is hot.

CAUTION Always use potholders or oven mitts when removing food from the warm zone as cookware and plates will be hot.

To Set the Warm Zone Control

- To set the control, push in and turn the knob. The temperatures are approximate, and are designated by HI, MED and LO. However, the control can be set at any position between HI and LO for different levels of heating.
- 2. When done, turn the control to OFF. The warm zone will remain warm until the **hot surface indicator light** goes off.

Temperature Selection

Refer to the chart in the side column for recommended heating levels. If a particular food is not listed, start with the medium level, and adjust as needed. Most foods can be kept at serving temperatures by using the medium level.

Indicator Lights

The surface indicator light is located below the warm zone control. It turns on when the control is set, and stays on until the control is turned off. The **hot** surface indicator light, located under the glass cooktop, will come on when the control is set and will continue to glow until the glass cooktop has cooled down to a moderate level.



The cooktop and control panel shown above are representational. Your range may have a different design look and different features.

Setting Warmer Drawer

Controls (if equipped)

Use the warmer drawer to keep hot foods hot such as: vegetables, gravies, meats, casseroles, biscuits and rolls, pastries and heated dinner plates.

The warmer drawer is equipped with a catch which may require extra force when opening and closing the drawer.



Warmer Drawer Recommended Food Settings Chart		
Food Item	Setting	
Roasts (Beef, Pork, Lamb)	MED	
Pork Chops	HI	
Bacon	HI	
Hamburger Patties	HI	
Poultry	HI	
Gravies	MED	
Casseroles	MED	
Eggs	MED	
Fried Foods	Hi	
Vegetables	MED	
Pizza	HI	
Biscuits	MED	
Rolls, soft	LO	
Rolls, hard	MED	
Pastries	MED	
Empty Dinner Plates	LO	

er Arranging Warmer Drawer Rack Positions

The rack can be used in 2 ways:

- In the upright position to allow low profile food items to be placed both under and on top of the rack (for example, rolls or biscuits on top of the rack and a casserole dish under).
- In the **downward position** to allow you to place light weight food items and empty dishware (for example, rolls or pastries and dinner plates). Set the warmer drawer rack as shown below.



Upright Position To Operate the Warmer Drawer

Downward Position

Your range is equipped with a warmer drawer. The purpose of the warmer drawer is to keep hot cooked foods at serving temperature. Always start with hot food. It is not recommended to heat cold food in the warmer drawer.

All food placed in the warmer drawer should be covered with a lid or aluminum foil to maintain quality. Do not use plastic wrap to cover food. Plastic may melt onto the drawer and be very difficult to clean.

Use only dishware, utensils and cookware recommended for oven use in the warmer drawer.

CAUTION Always use potholders or oven mitts when removing food from the warmer drawer as cookware and plates will be hot.

To Set the Thermostat Control

The thermostat control is used to select the temperature of the warmer drawer. It is located on the control panel. To set the thermostat, push in and turn the knob to the desired setting. The temperatures are approximate, and are designated by HI, MED and LO.

- 1. Turn the knob to select the desired temperature setting.
- 2. For best results, preheat the drawer before adding food. An empty drawer will preheat in approximately 15 minutes.
- 3. When done, turn the thermostat control to OFF.

Temperature Selection

Refer to the chart for recommended settings. If a particular food is not listed, start with the medium setting. If more crispness is desired, remove the lid or aluminum foil.

Most foods can be kept at serving temperatures by using the medium setting. When a combination of foods are to be kept warm (for instance, a meat with 2 vegetables and rolls), use the high setting.

Refrain from opening the warmer drawer while in use to eliminate loss of heat from the drawer.

Indicator Light

The indicator light is located below the thermostat control. It turns on when the control is set, and stays on until the control is turned off. The warmer drawer is inoperable during the self-clean cycle. The indicator light will not come on during the self-clean cycle.

Before Setting Oven Controls

Arranging Oven Racks ALWAYS ARRANGE OVEN RACKS WHEN THE OVEN IS COOL (PRIOR TO OPERATING THE OVEN). Always use oven mitts when using the oven.



Setting Oven Controls



To Set or Change the Temperature for Normal Baking The oven can be programmed to bake at any temperature from 170°F to 550°F (65°C to 287°C).

To Set the Controls for Normal Baking:

- 1. Push (BAKE). "- " appears in the display.
- 2. Within 5 seconds, push the or . The display will show "350°F

(177°C)." By holding the \frown or \frown , the temperature can then be adjusted in 5°F (1°C) increments.

- 3. As soon as the for is released, the oven will begin heating to the selected temperature. When the displayed temperature reaches the desired baking temperature, the control will beep 3 times.
- 4. To cancel the baking function, push [CLEAR].

To Change the Oven Temperature after Baking has Started:

- 1. If you are using the minute timer, push (BAKE) and make sure the bake temperature is displayed.
- 2. Push the \frown or \frown to increase or decrease the set temperature.

Note: The oven function will not work if the time of day clock is not set.

Note: The oven control has a built-in safety feature that will shut off the oven if the control is left on for more than 11 hours 59 minutes.

Setting Oven Controls

(continued)



CAUTION Use caution when using the automatic timer. Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is completed.

To Set the Automatic Timer (Timed Bake Feature)

The BAKE TIME and STOP TIME controls operate the Timed Bake feature. The automatic timer will turn the oven on and off at the times you select in advance. The oven can be programmed to start immediately and shut off automatically or to begin baking at a later time with an automatic shutoff.

To Program the Oven to Begin Baking Immediately and To Shut Off Automatically:

- 1. Be sure that the clock shows the correct time of day.
- 2. Place the food in the oven.
- 3. Push (BAKE).
- Within 5 seconds, push the or . The display will show "350°F (177°C)." By holding the or , the temperature can then be adjusted in 5°F (1°C) increments.
- 5. Push (ME). "0:00" will flash in the display.
- 6. Push the \frown or \bigcirc until the desired amount of baking time appears in the display.

To Program Oven for a Delayed Start Time and to Shut-Off Automatically

- 1. Be sure that the clock shows the correct time of day.
- 2. Place the food in the oven.
- 3. Push (BAKE)
- Within 5 seconds, push the or . The display will show "350°F (177°C)." By holding the or , the temperature can then be adjusted in 5°F (1°C) increments.
- 5. Push (ME). "0:00" will flash in the display.
- 6. Push the or until the desired amount of baking time appears.
- 7. Push (THE). The earliest possible stop time will flash in the display.
- 8. Push the or until the desired stop time appears in the display.
- 9. Once the controls are set, the control calculates the time when baking will start in order to finish at the time you have set.

Once the Controls are Set:

- a. The oven will come on and begin heating to the selected baking temperature.
- b. The oven temperature will show in the display.

When the Set Bake Time Runs Out:

- "END" will appear in the display window and the oven will shut off automatically.
- b. The control will beep 3 times every 60 seconds until [CLEAR] is pushed.

To Change the Oven Temperature or Bake Time after Baking has Started:

- 1. Push the function pad you want to change.
- 2. Push the \frown or \bigcirc to adjust the setting.

Setting Oven Controls

(continued)



To Broil

1. Arrange oven rack while oven is still cool. Position the rack as suggested in the chart below.

Rack Position From Top	Food
1	Rare steaks
2	Ham slices, fish, medium steaks, hamburgers and chops
3	Well-done foods such as chicken and lobster

- 2. Push (VARI BROIL).
- 3. Push and hold the or until the desired broil setting level

appears in the display. Push the 🔿 for HI broil or the 🗸 for LO

broil. Most foods can be broiled at the HI broil setting. Select the LO broil setting to avoid excess browning or drying of foods that should be cooked to the well-done stage.

- 4. Place the grid on the broiler pan, then place the food on the grid. DO NOT use the broiler pan without the grid or cover the grid with aluminum foil. The exposed fat could ignite.
- 5. Place the pan on the oven rack. Open the oven door to the broil stop position when broiling.
- 6. Broil on one side until food is browned; turn and cook on the second side. Note: Always pull the rack out to the stop position before turning or removing food.
- 7. When broiling is finished, push CLEAR.

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

The broiler pan and its grid allow dripping grease to drain and be kept away from the high heat of the broiler. DO NOT use the pan without its grid. DO NOT cover the grid with foil. The exposed grease could ignite.





Oven Cleaning



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

ACAUTION DO NOT line the oven walls, racks, bottom or any other part of the range with aluminum foil. Doing so will destroy heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven).



Self-Cleaning Oven

A self-cleaning oven cleans itself with high temperatures (well above cooking temperatures) which eliminate soil completely or reduce it to a fine powdered ash you can wipe away with a damp cloth.

- 1. Adhere to the following cleaning precautions:
- Allow the oven to cool before precleaning.
- Wear rubber gloves when precleaning and while wiping up the residue after the self-clean cycle.
- DO NOT use oven cleaners or oven protective coatings in or around any part of the self-cleaning oven.
- DO NOT clean the oven door gasket. The woven material of the oven door gasket is essential for a good seal. Care should be taken not to rub, damage or remove the gasket.
- DO NOT use any cleaning materials on the oven door gasket. Doing so could cause damage.
- 2. Remove the broiler pan and insert, all utensils and any aluminum foil. These items cannot withstand high cleaning temperatures.
- 3. Oven racks may be left in the oven or may be removed. If they go through the clean cycle their color will turn slightly blue and the finish will be dull. After the cycle is complete and the oven has cooled, rub the sides of the racks with wax paper or a cloth containing a small amount of baby oil or salad oil (this will make the racks glide easier into the rack position).
- 4. Remove any excess spillovers in the oven cavity before starting the selfcleaning cycle. To clean, use hot, soapy water and a cloth. Large spillovers can cause heavy smoke or fire when subjected to high temperatures. DO NOT allow food spills with a high sugar or acid content (such as milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on the surface as they may cause a dull spot even after cleaning.
- 5. Clean any soil from the oven frame, the door liner outside the oven door gasket and the small area at the front center of the oven bottom. These areas heat sufficiently to burn soil on. Clean with soap and water.

Stopping or Interrupting a Self-Cleaning Cycle

If it becomes necessary to stop or interrupt a self-cleaning cycle due to excessive smoke or fire:

- 1. Push CLEAR.
- 2. Once the oven has cooled down for about 1 HOUR and the "LOCK" light has gone out, the oven door can be opened.
- 3. Correct the condition which caused the smoking.
- 4. Restart the self-clean cycle once all conditions have been corrected.

ACAUTION DO NOT force the oven door open. This can damage the automatic door locking system. Use caution when opening the door after the self-cleaning cycle is completed. The oven may still be VERY HOT.

Oven Cleaning

(continued)



CAUTION Use care when opening the oven door after the self-cleaning cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape.

To Start the Self-Clean Cycle

*We recommend a 2 hour self-clean cycle for light soils and a 3 hour cycle for average to heavy soils (to assure satisfactory results).

To Set the Controls for a Self-Clean Cycle:

- 1. Be sure the clock shows the correct time of day.
- 3. Push the (until "3:00" appears in the display for a 3 hour cycle, or
 - push the (\checkmark) until "2:00" appears in the display for a 2 hour cycle.
- 4. As soon as the 🔿 or 💙 is released, "CLn" appears in the display.
- 5. As soon as the controls are set, the motor driven lock will begin to close automatically and the "LOCK" indicator light will flash. DO NOT open the door while the light is flashing (it takes about 15 seconds for the lock to close).
- 6. The "LOCK" light will glow until the cleaning cycle is completed or cancelled, and the oven temperature has cooled.

When the Self-Clean Cycle is Completed:

- 1. The time of day will appear in the display window and the "LOCK" light will continue to glow.
- 2. Once the oven has cooled down for about 1 HOUR and the "LOCK" light has gone out, the oven door can be opened.

CAUTION DO NOT force the oven door open. This can damage the automatic door locking system. Use caution when opening the door after the self-cleaning cycle is completed. The oven may still be VERY HOT.

General Cleaning	Cleaning Various Parts of Your Range Before cleaning any part of the range, be sure all controls are turned OFF and the range is COOL. REMOVE SPILLOVERS AND HEAVY SOILING AS SOON AS POSSIBLE. REGULAR CLEANINGS WILL REDUCE THE FREQUENCY OF MAJOR CLEANINGS.
Surfaces	How to Clean
Aluminum (Trim Pieces) & Vinyl	Use hot, soapy water and a cloth. Dry with a clean cloth.
Glass, Painted and Plastic Control Knobs, Body Parts, and Decorative Trim	For general cleaning, use hot, soapy water and a cloth. For more difficult soils and built-up grease, apply a liquid detergent directly onto the soil. Leave on soil for 30 to 60 minutes. Rinse with a damp cloth and dry. DO NOT use abrasive cleaners on any of these materials; they can scratch. To remove control knobs, turn to the OFF position; grasp firmly and pull straight off the shaft. To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place.
Stainless Steel, Chrome Control Panel, Decorative Trim	Before cleaning the control panel, turn all controls to OFF and remove the control knobs. To remove, pull each knob straight off the shaft. Clean using hot, soapy water and a dishcloth. Rinse with a clean water and a dishcloth. Cover stubborn spots with an ammonia-soaked paper towel for 30 to 40 minutes. Rinse. Be sure to squeeze excess water from the cloth before wiping the panel; especially when wiping around the controls. Excess water in or around the controls may cause damage to the appliance. Cleaners made especially for stainless steel such as Stainless Steel Magic, trademark of Magic American Corp., or similar products are recommended. Always follow the manufacturer's instructions. Be sure to rinse the cleaners as bluish stains may occur during heating and cannot be removed. To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place.
Porcelain Enamel Broiler Pan and Insert, Door Liner, Body Parts, Warmer Drawer (if equipped)	Gentle scouring with a soapy scouring pad will remove most spots. Rinse with a 1:1 solution of clear water and ammonia. <i>If necessary</i> , cover difficult spots with an ammonia-soaked paper towel for 30 to 40 minutes. Rinse with clean water and a damp cloth, and then scrub with a soap-filled scouring pad. Rinse and wipe dry with a clean cloth. Remove all cleaners or the porcelain may become damaged during future heating. DO NOT use spray oven cleaners on the cooktop.
Oven Racks	Oven racks may be removed or left in the oven during the self-clean cycle for cleaning. If removed, clean by using a mild, abrasive cleaner following manufacturer's instructions. Rinse with clean water and dry. If the racks are cleaned in the self-clean cycle, their color will turn slightly blue and the finish will be dull. After the self-clean cycle is complete, and the oven has cooled, rub the sides of the racks with wax paper or a cloth containing a small amount of baby oil or salad oil (this will make the racks glide easier into the rack positions).
Oven Door	To clean oven door, wash with hot, soapy water and a clean cloth. DO NOT immerse the door in water. DO NOT clean the oven door gasket. The oven door gasket is made of a woven material which is essential for a good seal. Care should be taken not to rub, damage or remove the gasket.

General Cleaning

WARNING DO NOT use a cooktop cleaner on a hot cooktop. The fumes can be hazardous to your health, and can chemically damage the ceramicglass surface.

CAUTION Before cleaning the cooktop, be sure the controls are turned to OFF and the cooktop is COOL.



Ceramic-Glass Cooktop Cleaning

Correct and consistent cleaning is essential to maintaining your ceramicglass cooktop. If food spills, grease spatters and metal rub-off from aluminum cookware are not removed, they may be burned onto the surface of the cooktop and cause permanent discoloration.

Daily Cleaning

For normal soil:

- 1. Allow cooktop surface to cool.
- 2. Wipe up spills and spatters using a clean paper towel. Always use a new, clean

paper towel when cleaning the ceramic-glass cooktop.

- 3. Rub a few drops of a recommended ceramic-glass cooktop cleaning cream onto soiled area using a clean, damp paper towel. Buff with a dry paper towel until all soil and cream are removed. Frequent cleaning leaves a protective coating of silicone which helps in preventing scratches and abrasions. Clean surface with the cooktop cleaning cream after each use.
- 4. Rinse with another clean damp, paper towel. Buff dry with a dry paper towel.

For heavy, burned-on soil:

- 1. Allow cooktop surface to cool.
- 2. Carefully scrape soil with a metal razor blade scraper. Hold razor blade scraper at a 30° angle to the cooktop.
- 3. Remove loosened soil with a clean paper towel.
- 4. Apply cooktop cleaning cream as described for normal soil.
- 5. If any soil remains, repeat the steps listed above. After all soil has been removed, polish the entire surface with the cooktop cleaning cream.

For sugary spillovers:

Sugary spills can cause pitting of your cooktop surface. Therefore, you must begin cleaning the spills while the cooktop is still hot. Use caution when following the steps below.

- 1. Turn off all surface units and remove all pans immediately.
- 2. Wearing an oven mitt, use a razor blade scraper to scrape the hot spill out of the cooking zone to a cooler area on the cooktop.
- 3. Allow the cooktop to cool.
- 4. Follow the instructions above for heavy, burned-on soil.

DO NOT use the following on the ceramic-glass cooktop:

- Abrasive plastic, nylon, metal scouring or cloth pads. They may scratch the cooktop and make it more difficult to clean later.
- Sponges, cloths or dish towels. Lint or soil remaining on the cooktop from a cloth or sponge can burn and cause discoloration.
- Anything that may melt (plastics, aluminum foil).
- Cleansers other than a recommended ceramic-glass cooktop cleaning cream.
- Chlorine bleach, ammonia, hydrofluoric acid, chemical oven cleaners or any other kind of chemical cleaner. They may etch or discolor the cooktop.

General Cleaning

(continued)

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

To Remove and Replace Oven Door

- To Remove Oven Door:
- 1. Open the door.
- 2. Remove screw "A" located on the inside of the oven door near the hinges (one on each side.)
- 3. Close the door to the quarter-open position. Grasp the door firmly on both sides and lift up and off the hinges.
- 4. To clean oven door, follow the instructions provided in the cleaning chart under General Cleaning



To Replace Oven Door:

- 1. Be sure the hinge arms are in the quarter-open position. Be careful if pulling the hinges open by hand. The hinges may snap back against the oven frame and could pinch fingers.
- 2. Hold the door at the sides near the top. Insert the hinge arms into slots at the bottom of the door.
- 3. Hinge arms must go into the range slots evenly. The hinge arms should be inserted into the bottom corners of the door as far as they can go.
- 4. If the door is not in line with the oven frame, remove it and repeat the above steps.

To Remove and Replace Warm & Ready Drawer (if equipped) To Remove Warm & Ready Drawer:

- 1. **CAUTION** Turn power off before removing the Warm & Ready drawer.
- 2. Open the drawer to the fully opened position.
- 3. On the right glide you will find a shield attached with a hex-head screw (see figure 1). Using a 1/4" socket and ratchet remove the shield.
- 4. Locate glide lever on each side of drawer, pull up on the left glide lever and push down on the right glide lever.
- 5. Pull the drawer away from the range.

To Replace Warm & Ready Drawer:

- 1. Replace shield on the right glide of the drawer body.
- 2. Pull the bearing glides to the front of the chassis glide (see figure 2).
- 3. Align the glide on each side of the drawer with the glide slots on the range.
- 4. Push the drawer into the range until levers "click" (approximately 2"). Pull the drawer open again to seat bearing glides into position. If you do not hear the levers "click" or the bearing glides do not feel seated remove the drawer and repeat steps 2-4. This will minimize possible damage to the bearing glides.



WARNING Electrical Shock Hazard can occur and result in serious injury or death. Disconnect appliance from electric power before cleaning and servicing the warmer drawer.



Figure 2

Changing Cooktop and/or Oven Lights

(some models)



CAUTION Be sure the range is unplugged and all parts are COOL before replacing the oven light. Wear a leather-faced glove for protection against possible broken glass.

To Change the Oven Light (some models)

On some models, the oven light automatically turns on when the door is opened. Some models have a switch located on the control panel to turn on the light. The oven light is located at the rear of the oven and is covered with a glass shield held by a wire holder. The glass shield must be in place whenever the oven is in use.

To replace the oven light:

- 1. Turn electrical power off at the main source or unplug the range.
- 2. Press wire holder to one side to release the glass shield.
- 3. Replace bulb with a new 40 watt appliance bulb.
- 4. Replace glass shield over bulb and snap wire holder into place.
- 5. Turn power back on again at the main source (or plug the range back in).
- 6. The clock(if equipped) will then need to be reset. To reset, see Setting the Clock and Minute Timer in this Owner's Guide.

Adjusting Oven Temperature

Note: The adjustments made will not change the self-cleaning temperature. The temperature control in the oven has been set at the factory. When first using the oven, be sure to follow recipe times and temperatures. If you think the oven is too hot or too cool, the temperature in the oven can be adjusted. Before adjusting, test a recipe by using a temperature setting that is higher or lower than the recommended temperature. The baking results should help you to decide how much of an adjustment is needed.

To Adjust Oven Temperature:

- 1. Push (BAKE)
- 2. Set the temperature to 550°F (287°C) by pushing and holding the \land
- 3. Within 2 seconds, push and hold (BAKE) until the special 2 digit display

appears. Release (BAKE). The display now indicates the amount of

degrees offset between the original factory temperature setting and the current temperature setting. If the oven control has the original factory calibration, the display will read "00."

4. The temperature can now be adjusted up or down 35°F (17°C), in 5°F

 $(1^{\circ}C)$ steps, by pushing and holding the \frown or \frown . Adjust until the desired amount of offset appears in the display.

5. When you have made the desired adjustment, push **CLEAR** to go back to the time of day display. When adjusting oven temperature, a minus sign (-) will appear before the number to indicate that the oven will be cooler by the displayed amount of degrees.

Avoid Service Checklist	<i>Before you call for service</i> , review this list. It may save you time and expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.		
	This oven is equipped with a state of the art electronic oven controller. Among its many features is a full time oven circuit diagnostics system. The controller constantly monitors its internal circuitry as well as several crucial oven circuits to insure they are all operating correctly. If at any time one of these systems fails, the controller will immediately stop operation and being beeping and flashing an error code of F1 or F3* in the display window.		
OCCURRENCE	POSSIBLE CAUSE/SOLUTION		
Range is not level.	Poor installation. Place oven rack in center of oven. Place a level on the oven rack. Adjust leveling legs at base of range until the oven rack is level.		
	Be sure floor is level and is strong and stable enough to adequately support range.		
	If floor is sagging or sloping, contact a carpenter to correct the situation.		
	Kitchen cabinet alignment may make range appear unlevel. Be sure cabinets are square and have sufficient room for range clearance.		
Cannot move appliance easily. Appliance must be accessible for service.	Cabinets not square or are built in too tightly. Contact builder or installer to make appliance accessible.		
	Carpet interferes with range. Provide sufficient space so range can be lifted over carpet.		
*Oven control beeps and displays F1 or F3.	Electronic control has detected a fault condition. Push CANCEL to clear the display and stop the beeping. Reprogram oven. If fault recurs, record fault number, push CANCEL and contact an authorized Sears servicer.		
Surface unit too hot or not hot enough.	Incorrect control setting. Make sure the correct control is on for the surface unit to be used.		
Surface unit does not heat.	Lightweight or warped pans used. Use only flat, evenly balanced, medium or heavyweight cookware. Flat pans heat better than warped pans. Cookware materials and weight of the material affect heating. Heavy- and medium-weight pans heat evenly. Because lightweight pans heat unevenly, foods may burn easily.		
	No power to the appliance. Check steps under "Entire Appliance Does Not Operate" in this Avoid Service Checklist.		
	Incorrect control setting. Make sure the correct control is on for the surface unit to be used.		
Entire appliance does not operate.	Make sure cord/plug is plugged tightly into outlet.		
	Service wiring is not complete. Contact your dealer, installing agent or authorized servicer.		
	Power outage. Check house lights to be sure. Call your local electric company for service.		
Cooktop and/or oven light (some models) does not work.	Replace or tighten bulb. See Changing Cooktop and/or Oven Lights (some models) in this Owner's Guide for instructions.		

Oven smokes excessively during broiling.	Control(s) not set properly. Follow instructions under Setting Oven Controls.
	Make sure oven door is opened to broil stop position.
	Meat too close to the element. Reposition the rack to provide proper clearance between the meat and the element. Preheat broil element for searing.
	Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean.
	Grid on broiler pan wrong side up and grease not draining. Always place grid on the broiler pan with ribs up and slots down to allow grease to drip into pan.
	Grease has built up on oven surfaces. Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.
Poor baking results.	Many factors affect baking results. Make sure the proper rack position is used. Center food in the oven and space pans to allow air to circulate. Allow the oven to preheat to the set temperature before placing food in the oven. Try adjusting the recipe's recommended temperature or baking time. If you feel the oven is too hot or cool, see Adjusting Oven Temperature in this Owner's Guide.
Self-cleaning cycle does not work.	Control(s) not set properly. Follow instructions under Oven Cleaning.
	Self-cleaning cycle was interrupted. Follow steps under "Stopping or Interrupting a Self-Cleaning Cycle" under Oven Cleaning .
Soil not completely removed after self- cleaning cycle.	Failure to clean bottom, front top of oven, frame of oven or door area outside oven seal. These areas are not in the self-cleaning area, but get hot enough to burn on residue. Clean these areas before the self-cleaning cycle is started. Burned-on residue can be cleaned with a stiff nylon brush and water or a nylon scrubber. Be careful not to damage the oven gasket.
Flames inside oven or smoking from	Excessive spillovers in oven. Set self-clean cycle for a longer cleaning time.
vent.	Excessive spillovers in oven. This is normal, especially for pie spillovers or large amounts of grease on bottom of oven. Wipe up excessive spillovers before starting cycle. If flames or excessive smoke are present, stop the self-clean cycle and follow steps under "Stopping or Interrupting a Self-Cleaning Cycle" in the Oven Cleaning section.
Scratches or abrasions on cooktop surface.	Coarse particles such as salt or sand between cooktop and utensils can cause scratches. Be sure cooktop surface and bottoms of utensils are clean before usage. Small scratches do not affect cooking and will become less visible with time.
	Cleaning materials not recommended for ceramic-glass cooktop have been used. See "Ceramic-Glass Cooktop Cleaning" in the General Cleaning section.
	Cookware with rough bottom has been used. Use smooth, flat-bottomed cookware.
Metal marks.	Sliding or scraping of metal utensils on cooktop surface. Do not slide metal utensils on cooktop surface. Use a ceramic-glass cooktop cleaning creme to remove the marks. See "Ceramic-Glass Cooktop Cleaning" in the General Cleaning section.
Brown streaks or specks.	Boilovers are cooked onto surface. Use razor blade scraper to remove soil. See "Ceramic-Glass Cooktop Cleaning" in the General Cleaning section.
Areas of discoloration with metallic sheen.	Mineral deposits from water and food. Remove using a ceramic-glass cooktop cleaning creme. Use cookware with clean, dry bottoms.

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