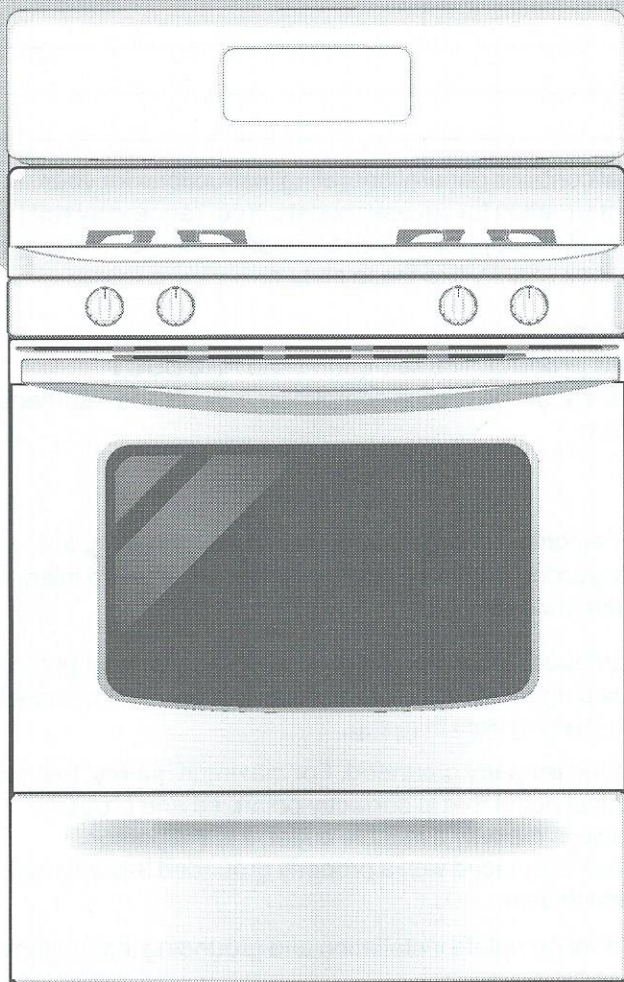


#916

Use & Care Manual

Gas Range

ES300 Control, Self-Cleaning Oven
with Sealed Gas Burners



Visit the Frigidaire Web Site at: <http://www.frigidaire.com>

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Warranty Back Page



Questions or for Service Call:

1-800-944-9044 (U.S.)

1-800-668-4606 (Canada)

Important Safety Instructions



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

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

WARNING This symbol will help alert you to situations that may cause serious bodily harm, death or property damage.

CAUTION This symbol will help alert you to situations that may cause bodily injury or property damage.

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

FOR YOUR SAFETY:

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS:**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, servicer or the gas supplier.

- **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 Fuel Gas Code ANSI Z223.- latest edition, or in Canada CAN/CGA B149.1, and CAN/CGA B149.2, and the the National Electrical Code ANSI/NFPA No.70-latest edition, or in Canada CSA Standard C22.1, Canadian Electrical Code, Part 1, and local 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.

WARNING

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



WARNING To reduce the risk of tipping, the range must be secured by properly installed anti-tip bracket provided 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, 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.



WARNING NEVER use this appliance as a space heater to heat or warm the room. Doing so may result in carbon monoxide poisoning.

WARNING NEVER cover any slots, holes or passages in the oven bottom or cover an entire rack with materials such as aluminum foil. Doing so blocks air flow through the oven and may cause carbon monoxide poisoning. Aluminum foil linings may trap heat, causing a fire hazard.

WARNING Do not use the oven or warmer drawer (if equipped) 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, near surface burners 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.

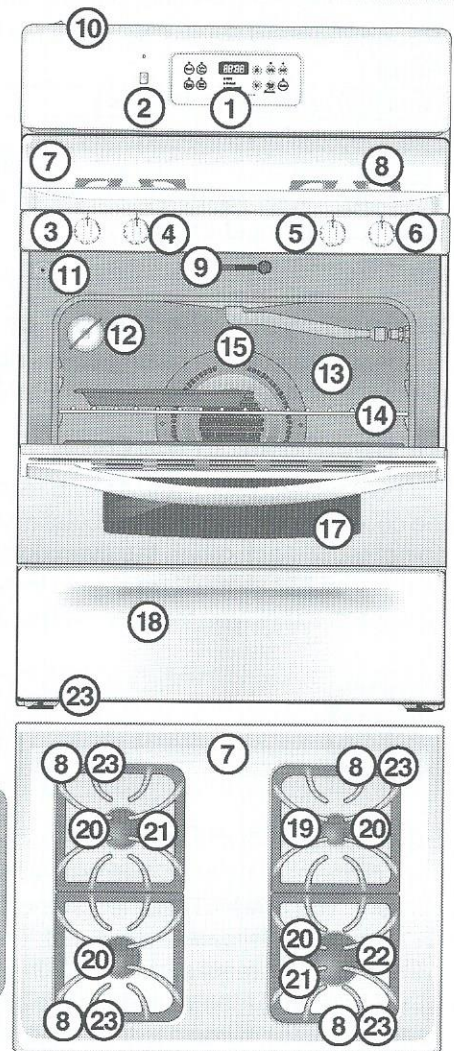
Features At A Glance



Your Gas Range Features Include:

1. Electronic Oven Control with Kitchen Timer.
2. Speed Bake™ Cooking System Control Switch & Indicator Light (some models).
3. Left Front Burner Valve & Knob.
4. Left Rear Burner Valve & Knob.
5. Right Rear Burner Valve & Knob.
6. Right Front Burner Valve & Knob.
7. Easy to clean Upswept Cooktop
8. Dishwasher safe Burner Grates (colors vary).
9. Self-Clean Oven Door Latch.
10. Manual Oven Light Switch (some models).
11. Automatic Oven Door Light Switch (some models).
12. Oven Interior Light with Shield (some models).
13. Self-Cleaning Oven interior.
14. Adjustable Oven Rack(s).
15. Speed Bake™ Cooking System Fan (some models).
16. Large 1 piece Oven Door Handle.
17. Full width Oven Door (styles vary with model).
18. Storage Drawer with integrated Handle (some models) or lower cover panel (some models).
19. 5,000 BTU Simmer Burner (some models).
20. 9,500 BTU Burner (some models).
21. 12,000 BTU Power Plus Burner (some models).
22. 14,000 BTU Power Plus Burner (some models).
23. Burner Drip pans (some models).
24. Broil Pan (some models).
25. Broil Pan Insert (some models).
26. Leveling Legs and Anti-tip Bracket (included).

NOTE: The features of your range may vary according to model.



Before Setting Oven Controls

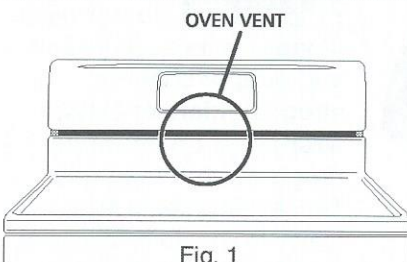


Fig. 1

Oven Vent Location

The oven vent is located **below the backguard** (See Fig. 1). When the oven is on, warm air is released through this vent. This venting is necessary for proper air circulation in the oven and good baking results. **DO NOT BLOCK THE VENT.**

Removing & Replacing Oven Racks

To remove, pull the rack forward until it stops. Lift up front of rack and slide out.
To replace, fit the rack onto the guides on the oven walls. Tilt the front of the rack upward and slide the rack back into place.

Oven Racks

Your range is equipped with one or more **Flat Oven Rack(s)**. Place the rack(s) into the positions shown in Fig. 2. Refer to the following *Recommended Rack Positions for Broiling, Baking & Roasting* for complete information.

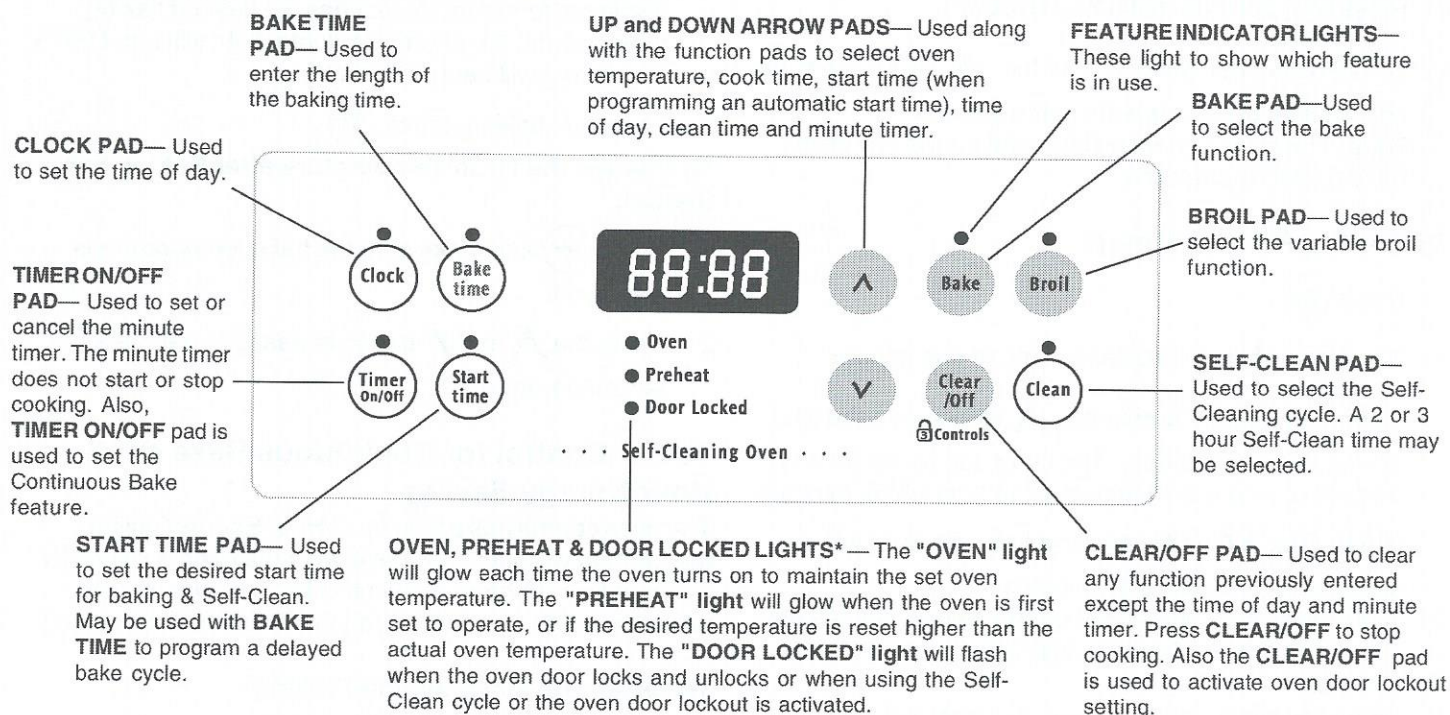


Fig. 2

Oven Control Functions





READ THE INSTRUCTIONS CAREFULLY BEFORE USING THE OVEN. For satisfactory use of your oven, become familiar with the various pad functions of the oven as described below.



*Note: The **OVEN** indicator light on the electronic display will turn ON & OFF when using the Bake feature & during preheat. This is normal & indicates that the oven is cycling to maintain the selected baking temperature. When the preheat indicator light turns OFF, your oven is ready.






For a silent control panel

When choosing a function, a beep will be heard each time a pad is pressed. If desired, the control can be programmed for silent operation. Press and hold . After 7 seconds, the control will beep once. This will block the controls from sounding when a pad is pressed. To return the sound, press and hold  again for 7 seconds until the control beeps once.

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 (77°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. Press . "—" appears in the display.
2. Press and hold the  until "HI" appears in the display.
3. Press and hold  until °F or °C appears in the display.
4. Press the  or  to change °F to °C or °C to °F.
5. Press any control pad to return to normal operating mode.

Setting Oven Controls

Note: The time of day **must** first be set in order to operate the oven.



NOTE: To turn the **time of day** display OFF or ON in the display press  and hold for 15 seconds (the control will beep once) and then release. This feature does not remove the set time of day from the memory of the control. When the display is turned OFF the time of day will re-appear for a few seconds any time the  pad is touched.

Setting Oven Controls (cont'd)

To Set Timed Bake with Delay Start

The **BAKE TIME** and **START TIME** pads operate the features that will turn the oven ON & OFF at the times you select in advance. The oven may be programmed to start immediately & shut off automatically (Timed Bake) or to begin baking at a later time with a delayed start time.

To Program the Oven to Begin Baking Immediately & to Shut Off Automatically (Timed Bake):

1. Be sure that the clock shows the correct time of day.
2. Place the food in the oven.
3. Press **Bake**. " — — — ° " appears in the display.
4. Within 5 seconds, press the **▲** or **▼** pad. The display will show "350°F (177°C)." By holding the **▲** or **▼**, the temperature can then be adjusted in 5°F increments (1°C if the control is set to display Celsius).
5. Press **Bake time**. "0:00" will flash in the display (HR:MIN).
6. Press the **▲** or **▼** pad until the desired baking time appears in the display.
7. The oven will turn ON & begin heating.

To Program Oven for a Delayed Start Time & to Shut-Off Automatically (Delayed Timed Bake):

1. Be sure that the clock shows the correct time of day.
2. Place the food in the oven.
3. Press **Bake**. " — — — ° " appears in the display.
4. Within 5 seconds, press the **▲** or **▼**. The display will show "350°F (177°C)." By holding the **▲** or **▼**, the temperature can then be adjusted in 5°F increments (1°C if the control is set to display Celsius).
5. Press **Bake time**. "0:00" will flash in the display (HR:MIN).
6. Press the **▲** or **▼** until the desired baking time appears.
7. Press **Start time**. The earliest possible start time will appear in the display.
8. Press the **▲** or **▼** until the desired start time appears in the display.
9. Once the controls are set, the control calculates the time when baking will stop in order to start at the time you have set.
10. The oven will turn ON at the delayed start time and begin heating.

When the Set Bake Time Runs Out:

- a. "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/Off** is pressed.

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

1. Press the function pad you want to change.
2. Press the **▲** or **▼** to adjust the setting.

NOTE: During Timed Bake the preheat indicator light will not function.

CAUTION Use caution with the Timed Bake & Delayed Start (Delayed Timed Bake) features. 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 & should be removed promptly when cooking is completed.

Speed Bake™ Cooking System (some models)

Benefits of Speed Bake™ Cooking System:

- Foods cook up to 25 to 30% faster, saving time & energy.
- Multiple rack baking.
- No special pans or bakeware needed.

How Speed Bake™ Cooking System works

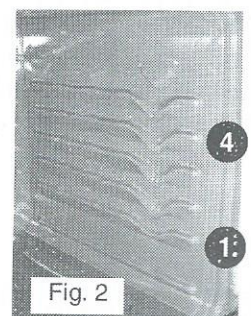
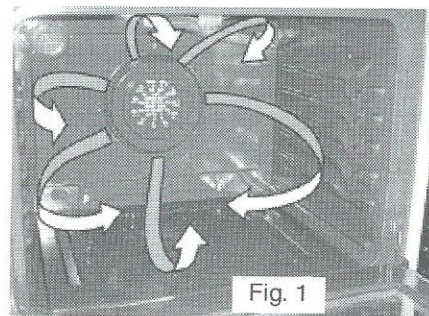
The Speed Bake™ Cooking System uses a fan to circulate the oven's heat uniformly and continuously around the oven (See Fig. 1). This improved heat distribution allows for fast, even cooking & browning results. It also gives better baking results when using 2 racks at the same time.

Heated air flows around the food from all sides, sealing in juices & flavors. Meats cooked with Speed Bake™ Cooking System are juicier. Poultry is crisp on the outside while staying tender & moist on the inside. Breads & pastry brown more evenly. Most foods baked in a standard oven can be cooked faster & more evenly with the Speed Bake™ Cooking System.

Speed Bake™ Cooking Instructions:

For Baking:

1. For optimum cooking results it is recommended to preheat the oven when baking foods such as cookies, biscuits & breads.
2. Reduce oven temperature 25° F from recipe's recommended oven temperature. Follow the remainder of the recipe's instructions using the minimum recommended cook time.
3. When using 2 oven racks at the same time, place in positions 1 & 4 for best results (See Fig. 2).
Note: Layer cakes will have better results using the normal Bake feature.



Self-Cleaning

Clean

⚠ 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.

⚠ CAUTION The health of some birds is extremely sensitive to the fumes given off during the Self-Cleaning cycle of any range. Move birds to another well-ventilated room.

⚠ CAUTION DO NOT line the oven walls, racks, **oven 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).

⚠ 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**.

Preparing for a Self-Clean Cycle

A Self-Cleaning oven cleans itself with high temperatures (well above cooking temperatures) which eliminate soils completely or reduces them to a fine powdered ash you can wipe away with a damp cloth.

Adhere to the following cleaning precautions:

- **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.
- **Remove the broiler pan & insert (some models), all utensils & ANY aluminum foil. These items cannot withstand high cleaning temperatures.**
- Remove oven racks. See "Removing & Replacing Oven Racks" under Before Setting Oven Controls. If they are not removed during the Self-Clean cycle their color will turn slightly blue & the finish will be dull. After the cycle is complete & the oven has cooled, rub the sides of the oven racks with wax paper or a cloth containing a small amount of salad oil (this will make the racks glide easier into the rack positions).
- **Remove any excessive spillovers** in the oven cavity **before** starting the Self-Cleaning 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 leave a dull spot even after cleaning.
- Hand clean any soil from the oven frame, the door liner outside the oven door gasket & the small area at the front

center of the oven bottom. These areas heat sufficiently to burn soil on. Clean with soap & water.







- Prior to setting the Self-Clean cycle, any spills remaining on the oven bottom should be removed.

Starting the Self-Clean Cycle or a Delayed Start Self-Clean Cycle


For satisfactory results, use a 2 hour Self-Clean cycle for **light soils** or a 3 hour cycle for **heavier soils**. **NOTE:** The kitchen area should be well ventilated using an open window, ventilation fan or exhaust hood during the 1st Self-Clean cycle. This will help eliminate the normal odors associated with the 1st Self-Clean cycle.

To Set the Controls for a Self-Clean Cycle or a Delayed Start Self-Clean Cycle:

(**Note:** If you do not want to start a **Delayed Self-Clean Cycle**, skips steps 2 & 3.)

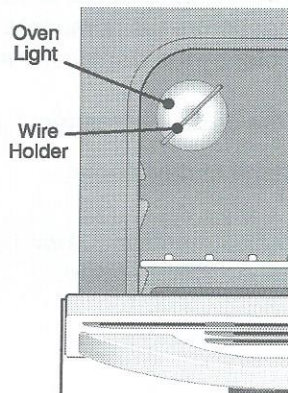
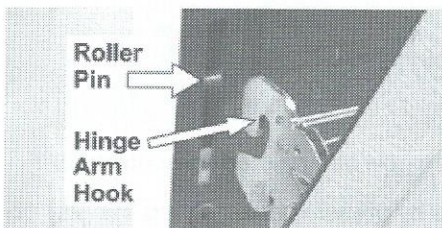
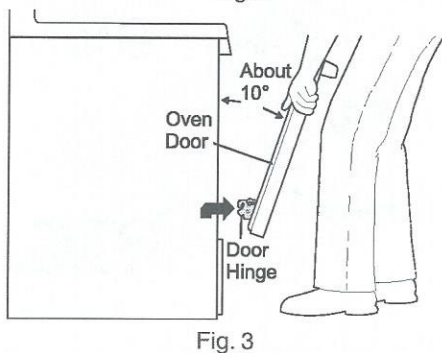
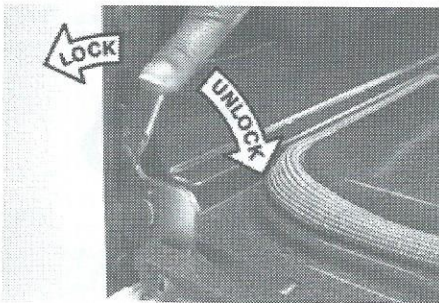
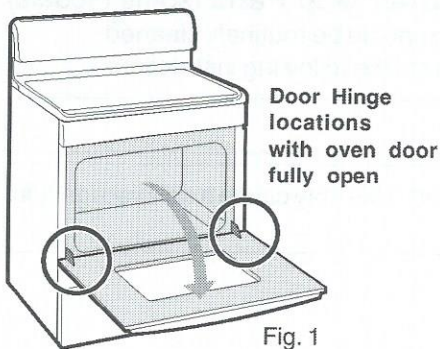
1. Be sure the clock shows the correct time of day.
2. Press . The " : " in the time of day will flash.
3. Press and hold the  pad to scroll to the time to start the delayed Self-Clean cycle. Release the pad when the desired time is displayed.
4. Press . " — — — " appears in the display.
5. Press the  or  once. "3:00" appears in the display for a 3 hour cycle. To change to a 2 hour cycle press . "2:00" appears in the display.
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 oven door while the light is flashing (it takes about 15 seconds for the oven door to lock).
6. "CLn" will appear in the display during the Self-Clean cycle and the "LOCK" light will glow until the Self-Cleaning cycle is complete or cancelled and the oven temperature has cooled.

When the Self-Clean Cycle has Completed:

1. The time of day or "End" will appear in the display window and the "Clean" and "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.
3. If "End" is in the display and the Clean indicator light remains ON, press . The time of day will appear in the display.

NOTE: When the oven is cool, wipe away any residue or powdered ash with a damp cloth or paper towel.

General Care & Cleaning (cont'd)



Removing and Replacing the Lift-Off Oven Door

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

To Remove Oven Door:

1. Open oven door completely (horizontal with floor - See Fig. 1).
2. Pull the door hinge locks on both left and right door hinges down from the oven frame completely towards the oven door (See Fig. 2). A tool such as a small flat-blade screwdriver may be required.
3. Firmly grasp both sides of oven door along the door sides (Do not use the oven door handle - See Fig. 3).
4. Close the door to the broil stop position (the oven door will stop into this position just before fully closing).
5. With the oven door in the broil stop position, lift the oven door hinge arms over the roller pins located on each side of the oven frame (See Fig. 4).

To Replace Oven Door:

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

Special Door Care Instructions - Most oven doors contain glass that can break. Read the following recommendations:

1. Do not close the oven door until all the oven racks are fully in place.
2. Do not hit the glass with pots, pans, or any other object.
3. Scratching, hitting, jarring or stressing the glass may weaken its structure causing an increased risk of breakage at a later time.

Care & Cleaning of Stainless Steel (some models)

Some models are equipped with stainless steel exterior parts. Special care and cleaning are **required** for maintaining the appearance of stainless parts. Refer to the **Cleaning Table** at the beginning of this section for detailed cleaning instructions.

Changing the Oven Light (some models)

For models equipped with the interior oven light, the light bulb is located at the rear of the oven and is covered with a glass shield held by a wire holder (See Fig. 5). The glass shield must be in place whenever the oven is in use.

To replace the oven light bulb:

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 will then need to be reset. To reset, see **Setting the Clock & Minute Timer** in this Use & Care Guide.

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

Before You Call

Solutions to Common Problems



Before you call for service, review the following list. It may save you time & expense. The list includes common occurrences (shown in bold) that are not the result of defective workmanship or materials in this appliance. The possible corrections to these problems are provided with the problem listed:

Range is not level - (1) 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. (2) Be sure floor is level, strong & stable enough to adequately support range. (3) If floor is sagging or sloping, contact a carpenter to correct the situation. (4) Kitchen cabinet alignment may make range appear not level. Be sure cabinets are square & have sufficient room for range clearance.

Cannot move appliance easily. Appliance must be accessible for service - (1) Cabinets not square or are built in too tightly. Contact builder or installer to make appliance accessible. (2) Carpet interferes with range. Provide sufficient space so range can be lifted over carpet.

Surface burners do not light - (1) Surface control knob has not been completely turned to LITE. Push in & turn the surface control knob to LITE until burner ignites & then turn control knob to desired flame size. (2) Burner ports are clogged. With the burner OFF, use a small-gauge wire or needle to clean ports. See **Cleaning the Contoured Well Areas, Burner Cap, Burner Head & Burner Drip Pans** in the General Care & Cleaning section for complete cleaning instructions. (3) Range power cord is disconnected from outlet (electric ignition models only). Be sure cord is securely plugged into the outlet. (4) Electrical power outage (electric ignition models only). Burners can be lit manually. See Setting Surface Controls.

Surface burner flame burns half way around - (1) Burner ports are clogged. With the burner off, clean ports by using a small-gauge wire or needle. (2) Moisture is present after cleaning. Lightly fan the flame and allow burner to operate until flame is full. Dry the burners thoroughly following instructions in the **Cleaning the Contoured Well Areas, Burner Cap, Burner Head & Burner Drip Pans** in the General Care & Cleaning section.

Surface burner flame is orange - (1) Dust particles in main line. Allow the burner to operate a few minutes until flame turns blue. (2) In coastal areas, a slightly orange flame is unavoidable due to salt air.

Oven does not operate - (1) Be sure the oven controls are set properly for the desired function. See **Setting Oven Controls** in this Use & Care Manual or read the instructions "**Entire appliance does not operate**" in this checklist. (2) Be sure gas regulator valve is "ON". See installation instructions.

Entire appliance does not operate - (1) The time of day is not set. The time of day **must** first be set in order to operate the oven. See "To Set the Clock" in the **Setting Oven Controls** section. (2) Make sure cord/plug is plugged correctly into outlet. (3) Service wiring is not complete. Contact your authorized service agent. (4) Electrical power outage. Check house lights to be sure. Call your local electric company for service. (5) Be sure gas supply is turned ON.

Oven light does not work (some models) - Replace or tighten bulb. See **Changing Oven Light** section in this Use & Care Manual.

Oven control beeps & displays any F code error (for example F11) - Electronic control has detected a fault condition. Press **CLEAR/OFF** to clear the display & stop beeping. Reprogram oven. If fault recurs, record fault number. Press **CLEAR/OFF** & contact an authorized service agent.

Poor baking results - Many factors affect baking results. Make sure the proper oven rack position is used. Center food in the oven & 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 Your Oven Temperature** in this Use & Care Manual.

Oven smokes excessively during broiling - (1) Control(s) not set properly. Follow Broil instructions under **Setting Oven Controls**. (2) Oven door is open. Make sure oven door is **closed**. (3) Meat too close to the broil burner. Reposition the broil rack to provide proper clearance between the meat & the burner. Preheat the broil burner for searing. (4) Meat not properly prepared. Remove excess fat from meat. Cut fatty edges to prevent curling, but do not cut into lean. (5) Insert on broiler pan wrong side up & grease not draining. Always place grid on the broiler pan with ribs up & slots down to allow grease to drip into pan (some models). (6) Grease has built up on oven surfaces or broiler pan & insert (some models). Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.

Self-Cleaning cycle does not work - (1) Oven control not set properly. Follow instructions under **Self-Cleaning**. (2) Self-Cleaning cycle was interrupted. Follow steps under "Stopping or Interrupting a Self-Cleaning Cycle" under **Self-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 oven vent - Excessive spillovers in oven. For example this will happen for pie spillovers or large amounts of grease left on the oven bottom. Wipe up excessive spillovers before starting oven. If flames or excessive smoke are present see "Broiling" in the **Setting Oven Controls** section.