

THANK YOU for purchasing this high-quality product. Register your range at www.amana.com. In Canada, register your range at www.amanacanada.ca.

For future reference, please make a note of your product model and serial numbers. These can be found on the label located on the upper left side of the front frame

Model Number _____ Serial Number _____

Para una versión de estas instrucciones en español, visite www.amana.com.

Para referencia futura, tome nota de los números de modelo y de serie de su producto. Puede encontrarlos en la etiqueta ubicada en el lado superior izquierdo del marco frontal del horno.

Table of Contents

RANGE SAFETY2
 The Anti-Tip Bracket3
FEATURE GUIDE4
COOKTOP USE5
 Sealed Surface Burners5
 Grates6
 Burner Size6
 Cookware7
 Home Canning7
OVEN USE8
 Electronic Oven Controls8
 Sabbath Mode8
 Warm9
 Aluminum Foil9
 Positioning Racks and Bakeware9
 Oven Vent9
 Baking and Roasting9
 Broiling10
RANGE CARE10
 Self-Cleaning Cycle10
 General Cleaning11
 Oven Light11
TROUBLESHOOTING12
ACCESSORIES14
WARRANTY15

RANGE SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING."

These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

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

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

- 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, service agency or the gas supplier.

WARNING: Gas leaks cannot always be detected by smell.

Gas suppliers recommend that you use a gas detector approved by UL or CSA.

For more information, contact your gas supplier.

If a gas leak is detected, follow the "What to do if you smell gas" instructions.

State of California Proposition 65 Warnings:

WARNING: This product contains one or more chemicals known to the State of California to cause cancer.

WARNING: This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

The Anti-Tip Bracket

The range will not tip during normal use. However, the range can tip if you apply too much force or weight to the open door without the anti-tip bracket fastened down properly.



! WARNING

Tip Over Hazard

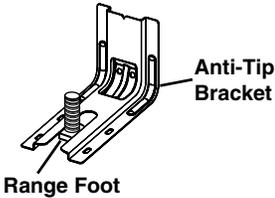
A child or adult can tip the range and be killed.

Verify the anti-tip bracket has been properly installed and engaged per installation instructions.

Re-engage anti-tip bracket if range is moved.

Do not operate range without anti-tip bracket installed and engaged.

Failure to follow these instructions can result in death or serious burns to children and adults.



To verify the anti-tip bracket is installed and engaged:

- Slide range forward.
- Look for the anti-tip bracket securely attached to floor or wall.
- Slide range back so rear range foot is under anti-tip bracket.
- See installation instructions for details.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electrical shock, injury to persons, or damage when using the range, follow basic precautions, including the following:

- **WARNING:** TO REDUCE THE RISK OF TIPPING OF THE RANGE, THE RANGE MUST BE SECURED BY PROPERLY INSTALLED ANTI-TIP DEVICES. TO CHECK IF THE DEVICES ARE INSTALLED PROPERLY, SLIDE RANGE FORWARD, LOOK FOR ANTI-TIP BRACKET SECURELY ATTACHED TO FLOOR OR WALL, AND SLIDE RANGE BACK SO REAR RANGE FOOT IS UNDER ANTI-TIP BRACKET.
- **WARNING:** NEVER use this appliance as a space heater to heat or warm the room. Doing so may result in carbon monoxide poisoning and overheating of the oven.
- **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 also trap heat, causing a fire hazard.
- **CAUTION:** Do not store items of interest to children in cabinets above a range or on the backguard of a range – children climbing on the range to reach items could be seriously injured.

- Proper Installation – The range, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*. In Canada, the range must be electrically grounded in accordance with Canadian Electrical Code. Be sure the range is properly installed and grounded by a qualified technician.
- This range is equipped with a three-prong grounding plug for your protection against shock hazard and should be plugged directly into a properly grounded receptacle. Do not cut or remove the grounding prong from this plug.
- Disconnect power before servicing.
- Injuries may result from the misuse of appliance doors or drawers such as stepping, leaning, or sitting on the doors or drawers.
- Maintenance – Keep range area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Storage in or on the Range – Flammable materials should not be stored in an oven or near surface units.
- Top burner flame size should be adjusted so it does not extend beyond the edge of the cooking utensil.

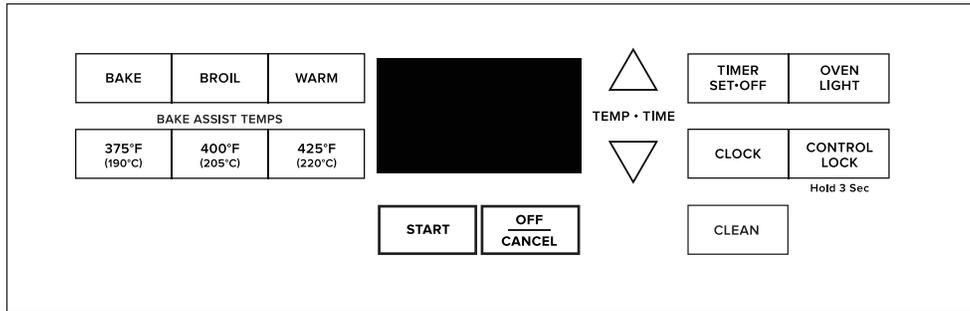
For self-cleaning ranges –

- Before Self-Cleaning the Oven – Remove broiler pan and other utensils. Wipe off all excessive spillage before initiating the cleaning cycle.

SAVE THESE INSTRUCTIONS

FEATURE GUIDE

This manual covers several models. Your model may have some or all of the items listed. Refer to this manual or the Frequently Asked Questions section of our website at www.amana.com for more detailed instructions. In Canada, refer to the Customer Service section at www.amanacanada.ca.



KEYPAD	FEATURE	INSTRUCTIONS
OVEN LIGHT	Oven cavity light	While the oven door is closed, press OVEN LIGHT to turn the light on and off. The oven light will come on when the oven door is opened. The oven light will not come on during the Self-Cleaning cycle.
CLEAN (on some models)	Self-Cleaning cycle	See the “Self-Cleaning” section.
CONTROL LOCK (Hold 3 Sec)	Oven control lockout	<ol style="list-style-type: none"> 1. Check that the oven is Off. 2. Press and hold the CONTROL LOCK keypad for 3 seconds. 3. A tone will sound and a lock will be displayed. 4. Repeat to unlock. No keypads will function with the controls locked.
CLOCK	Clock	<p>The Clock can use a 12-hour cycle.</p> <ol style="list-style-type: none"> 1. Check that the oven is off. 2. Press CLOCK. 3. Press the Temp/Time “up” or “down” arrow keypad to set the hours. Press CLOCK to switch to the minutes. Press the Temp/Time “up” or “down” arrow keypad to set the minutes. 4. Press CLOCK or START.
TIMER SET•OFF	Oven timer	<p>The Timer can be set in hours or minutes up to 9 hours and 59 minutes.</p> <ol style="list-style-type: none"> 1. Press TIMER SET•OFF. 2. Press the Temp/Time “up” or “down” arrow keypad to set the length of time. 3. Press START to begin the countdown. If enabled, end-of-cycle tones will sound at end of countdown. 4. Press TIMER SET•OFF to cancel the Timer. Do not press OFF/CANCEL because the oven will turn off.
BAKE	Baking and roasting	<ol style="list-style-type: none"> 1. Press BAKE. 2. Press the Temp/Time “up” or “down” arrow keypad until desired temperature is reached. A tone will sound if the minimum or maximum temperature is reached. 3. Press START. 4. To change the temperature, repeat Step 2. Press START. 5. Press OFF/CANCEL when finished. <p>NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.</p>
BAKE ASSIST TEMPS	Baking and roasting	<ol style="list-style-type: none"> 1. Press desired Bake Assist Temp keypad. 2. Press the Temp/Time “up” or “down” arrow keypad until desired temperature is reached. A tone will sound if the minimum or maximum temperature is reached. 3. Press START. 4. Press OFF/CANCEL when finished. <p>NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.</p>

KEYPAD	FEATURE	INSTRUCTIONS
BROIL	Broiling	<ol style="list-style-type: none"> 1. Position cookware in oven and close the oven door. 2. Press BROIL. 3. Press the Temp/Time “up” or “down” arrow keypad until desired temperature is reached. A tone will sound if the minimum or maximum temperature is reached. 4. Press START. 5. To change the temperature, repeat Step 3. Press START. 6. Press OFF/CANCEL when finished. <p>NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.</p>
WARM	Hold warm	<p>Food must be at serving temperature before placing it in the warmed oven.</p> <ol style="list-style-type: none"> 1. Press WARM. 2. Temperature is set at 170°F (75°C). Press the Temp/Time “up” and “down” arrow keypad until desired temperature is reached. A tone will sound if the minimum or maximum temperature is reached. 3. Press START. 4. Press OFF/CANCEL when finished. <p>NOTE: The oven will automatically turn off after 60 minutes.</p> <p>NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.</p>
START	Cooking start	The Start keypad begins any oven function. If Start is not pressed within 5 seconds, a tone will sound and Start will blink until pressed or canceled. If Start is not pressed within 1 minute after pressing a keypad, the function is canceled and the time of day is displayed.
OFF/CANCEL	Range function	The Off/Cancel keypad stops any function except the Timer, and Oven Control Lockout.
Temp/Time	Temperature and time adjust	The Temp/Time “up” and “down” arrow keypads are used to adjust time and temperature settings.

COOKTOP USE

WARNING

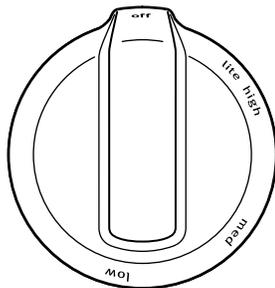


Fire Hazard

Do not let the burner flame extend beyond the edge of the pan.

Turn off all controls when not cooking.

Failure to follow these instructions can result in death or fire.



To Set:

1. Push in and turn knob counterclockwise to LITE.
IMPORTANT: All surface burners will click. Only the burner with the control knob turned to LITE will produce a flame.
2. Turn knob to anywhere between High and Low.

REMEMBER: When range is in use or (on some models) during the Self-Cleaning cycle, the entire cooktop area may become hot.

Power Failure

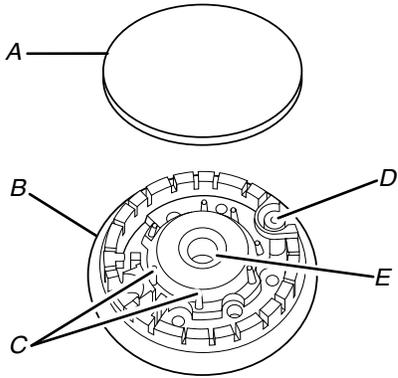
In case of prolonged power failure, the surface burners can be lit manually. Hold a lit match near a burner, and then turn knob counterclockwise to LITE. After burner lights, turn knob to setting.

Electric igniters automatically light the surface burners when control knobs are turned to LITE.

Before setting a control knob, place filled cookware on the grate. Do not operate a burner using empty cookware or without cookware on the grate.

The flame should be adjusted so it does not extend beyond the edge of the pan.

Sealed Surface Burners

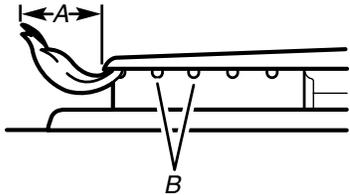


- A. Burner cap
B. Burner base
C. Alignment pins
D. Igniter
E. Gas tube opening

IMPORTANT: Do not obstruct the flow of combustion and ventilation air around the burner grate edges.

Burner Cap: Always keep the burner cap in place when using a surface burner. A clean burner cap will help avoid poor ignition and uneven flames. Always clean the burner cap after a spillover and routinely remove and clean the caps according to the “General Cleaning” section.

Gas Tube Opening: Gas must flow freely throughout the gas tube opening for the burner to light properly. Keep this area free of soil and do not allow spills, food, cleaning agents, or any other material to enter the gas tube opening. Keep spillovers out of the gas tube opening by always using a burner cap.



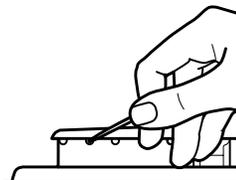
- A. 1" to 1½" (2.5 cm to 3.8 cm)
B. Burner ports

Burner Ports: Check burner flames occasionally for proper size and shape as shown in the previous illustration. A good flame is blue in color, not yellow. Keep this area free of soil and do not allow spills, food, cleaning agents, or any other material to enter the burner ports.

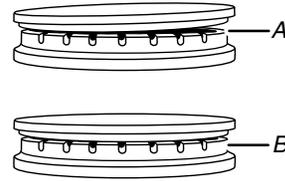
To Clean:

IMPORTANT: Before cleaning, make sure all controls are OFF and the cooktop is cool. Do not use oven cleaners, bleach, or rust removers.

1. Remove the burner cap and the burner base, and clean according to the “General Cleaning” section.
2. Clean the gas tube opening with a damp cloth.
3. Clean clogged burner ports with a straight pin as shown. Do not enlarge or distort the port. Do not use a wooden toothpick. If the burner needs to be adjusted, contact a trained repair specialist.



4. Replace the burner cap, making sure the alignment pins are properly aligned with the burner cap.

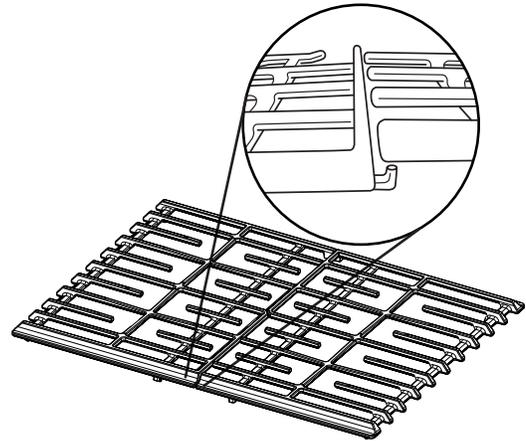


- A. Incorrect
B. Correct

5. Turn on the burner. If the burner does not light, check cap alignment. If the burner still does not light, do not service the sealed burner yourself. Contact a trained repair specialist.

Grates

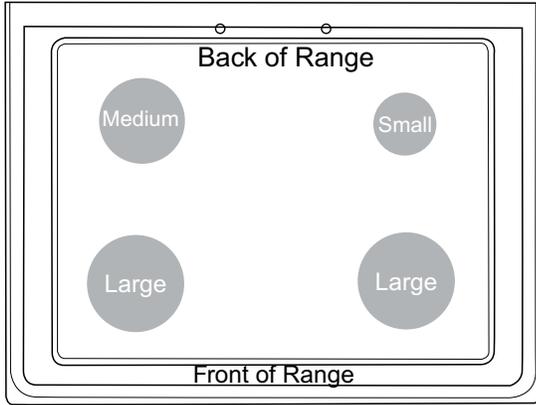
The grates on this range cover the full width of the cooktop. The 2 grates may interlock (on some models), using the hook formed into 1 end of both grates. The flat end of 1 grate drops onto the hook on the other grate as shown in the following illustration.



On some models, the 2 grates are identical and can be used on either the left or right side of the cooktop. Grates that are designed for use on only 1 side of the cooktop will have either “LEFT” or “RIGHT” embossed on the bottom side of the grate.

Burner Size

Select a burner that best fits your cookware. See the following illustration and chart.



Burner Size	Recommended Use
Small	<ul style="list-style-type: none"> ■ Low-heat cooking ■ Melting chocolate or butter
Medium	<ul style="list-style-type: none"> ■ Multipurpose cooker
Large	<ul style="list-style-type: none"> ■ For large cookware

Cookware

IMPORTANT: Do not leave empty cookware on a hot surface cooking area, element, or surface burner.

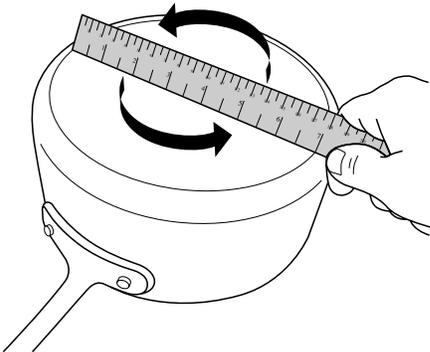
Ideal cookware should have a flat bottom, straight sides, and a well-fitting lid, and the material should be of medium-to-heavy thickness.

Rough finishes may scratch the cooktop or grates. Aluminum and copper may be used as a core or base in cookware.

Cookware material is a factor in how quickly and evenly heat is transferred which affects cooking results.

Cookware with nonstick surfaces should not be used under the broiler.

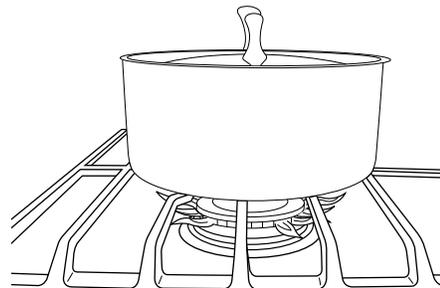
Check for flatness by placing the straight edge of a ruler across the bottom of the cookware. While you rotate the ruler, no space or light should be visible between it and the cookware.



Use the following chart as a guide for cookware material characteristics.

Cookware	Characteristics
Aluminum	<ul style="list-style-type: none"> ■ Heats quickly and evenly. ■ Suitable for all types of cooking. ■ Medium or heavy thickness is best for most cooking tasks.
Cast iron	<ul style="list-style-type: none"> ■ Heats slowly and evenly. ■ Good for browning and frying. ■ Maintains heat for slow cooking.
Ceramic or ceramic glass	<ul style="list-style-type: none"> ■ Follow manufacturer's instructions. ■ Heats slowly but unevenly. ■ Ideal results on low-to-medium heat settings.
Copper	<ul style="list-style-type: none"> ■ Heats very quickly and evenly. ■ May leave copper residues which may be diminished if cleaned immediately after cooking.
Earthenware/ Stoneware	<ul style="list-style-type: none"> ■ Follow manufacturer's instructions. ■ Use on low heat settings.
Porcelain enamel-on-steel or cast iron	<ul style="list-style-type: none"> ■ See stainless steel or cast iron.
Stainless steel	<ul style="list-style-type: none"> ■ Heats quickly but unevenly. ■ A core or base of aluminum or copper on stainless steel provides even heating.

For best results, the cookware should be centered above the burner with the bottom sitting level on the grate. The flame should be adjusted so that it does not extend up the sides of the pan.



Home Canning

When canning for long periods, alternate the use of surface burners between batches. This allows time for the most-recently used areas to cool.

- Center the canner on the grate above the burner.
- Do not place canner on 2 surface burners at the same time.
- For more information, contact your local agricultural extension office or refer to published home canning guides. Companies that manufacture home canning products can also offer assistance.

OVEN USE

The normal operation of the range will include several noises that may be heard each time the Bake or Broil burners ignite during the cooking cycle:

- Gas valves may make a “popping” sound when opening or closing.
- Igniters will “click” several times until a flame is sensed. A “poof” sound is heard when a bake or broil burner ignites.

Odors and smoke are normal when the oven is used the first few times or when it is heavily soiled.

IMPORTANT: The health of some birds is extremely sensitive to the fumes given off. Exposure to the fumes may result in death to certain birds. Always move birds to another closed and well-ventilated room.

NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.

Electronic Oven Controls

Control Display

The display will flash when powered up or after a power loss. Press OFF/CANCEL to clear. When oven is not in use, the time of day is displayed. Indicator lights show functions that are in use.

Tones

Tones are audible signals, indicating the following:

Basic Functions

One Tone

- Valid keypad press
- Oven is preheated (long tone)
- Function has been entered
- Reminder, repeating every 20 seconds after the end-of-cycle tones

Three Tones

- Invalid keypad press

Four Tones

- End of cycle
-

Fahrenheit and Celsius

The temperature is preset to Fahrenheit but can be changed to Celsius.

To change: Press and hold the Temp/Time “up” arrow keypad for 5 seconds. “°C” or “°F” will appear on the display. Repeat to change back.

To exit mode, press OFF/CANCEL.

Key Press Tones

Activates or turns off the tones when a keypad is pressed.

To change: Press and hold OVEN LIGHT for 5 seconds. Repeat to change back.

To exit mode, press OFF/CANCEL.

Demo Mode

IMPORTANT: This feature is intended for use on the sales floor with 120 V power connection and permits the control features to be demonstrated without heating elements turning on. If this feature is activated, the oven will not work.

To change: Press OFF/CANCEL, OFF/CANCEL, the Temp/Time “up” arrow keypad, TIMER SET•OFF. Repeat to change back and end Demo mode.

Oven Temperature Control

IMPORTANT: Do not use a thermometer to measure oven temperature. Elements will cycle on and off as needed to provide consistent temperature but may run slightly hot or cool at any point in time due to this cycling. Most thermometers are slow to react to temperature change and will not provide an accurate reading due to this cycling.

The oven provides accurate temperatures; however, it may cook faster or slower than your previous oven, so the temperature can be adjusted to personalize it for your cooking needs. It can be changed to Fahrenheit or Celsius.

To Adjust Oven Temperature:

1. Press and hold the Temp/Time “down” arrow keypad for 5 seconds until the oven display shows the current setting, for example “0°F CAL” or “00.”
 2. Press the Temp/Time “up” or “down” arrow keypad to increase or to decrease the temperature in 5°F (3°C) amounts. The adjustment can be set between 30°F (18°C) and -30°F (-18°C).
 3. Press START.
-

Sabbath Mode (on some models)

For guidance on usage and a complete list of models with Sabbath mode, visit www.star-k.org.

The Sabbath mode sets the oven to remain on in a Bake setting until turned off. A Timed Bake can also be set to keep the oven on for only part of the Sabbath. The Oven Control Lockout feature will be disabled during the Sabbath mode. After the Sabbath mode is set, no tones will sound, the display will not show the temperature, the Kitchen Timer mode will be canceled (if active) and only the following keypads will function:

- Temp/Time “up” and “down” arrow keypads
- Off/Cancel

When the oven door is opened or closed, the oven light will not turn on or off and the heating elements will not turn on or off immediately.

When power is restored after a power failure, the oven will return to Sabbath mode and remain Sabbath compliant with the bake elements off until the Off/Cancel keypad is pressed.

Pressing the Off/Cancel keypad at any time returns the oven to the normal cooking mode (not Sabbath compliant).

Before entering the Sabbath mode, it must be decided if the oven light is to be ON or OFF for the entire Sabbath mode period. If the light is ON when entering Sabbath mode, it will remain on for the entire time Sabbath mode is in use. If the light is OFF when entering Sabbath mode, it will remain off for the entire time Sabbath mode is in use. Opening the oven door or pressing the Oven Light keypad will not affect the oven light once Sabbath mode has been entered.

On the Holiday, the oven temperature can be changed once the oven is in Sabbath mode by pressing the Temp/Time “up” or “down” arrow keypad. The oven temperature will change 25°F (14°C) each time the Temp/Time “up” and “down” arrow keypads are pressed. Press START to activate the new temperature. The display will not change, and there will be no sounds during this adjustment.

To Activate and Bake Using Sabbath Mode:

1. Press BAKE.
2. Press the Temp/Time “up” or “down” arrow keypad.
3. Press START.
4. Press and hold TIMER SET•OFF for 5 seconds. “SAb” will flash in the display.
5. Press START while “SAb” is flashing to enter Sabbath mode; otherwise, the entire cycle cancels out. “SAb” will stop flashing and remain on in the display. The oven is now in Sabbath mode and is Sabbath compliant.

Pressing the Off/Cancel keypad at any time returns the oven to the normal cooking mode (not Sabbath compliant).

NOTE: If “SAb” does not appear in your display, the Sabbath mode is not active. After Sabbath mode is deactivated, you must activate Sabbath mode by completing steps 1 through 5.

Warm

WARNING

Food Poisoning Hazard

Do not let food sit in oven more than one hour before or after cooking.

Doing so can result in food poisoning or sickness.

NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.

IMPORTANT: Food must be at serving temperature before placing it in the warmed oven. Food may be held up to 1 hour; however, breads and casseroles may become too dry if left in the oven during the Warm function. For best results, cover food.

The Warm feature allows hot cooked foods to stay at serving temperature.

To Use:

1. Press WARM.
2. Press Temp/Time “up” or “down” arrow keypad until desired temperature is reached. A tone will sound if the minimum or maximum temperature is reached.
3. Press START.
4. Place food in the oven.
5. Press OFF/CANCEL when finished.

NOTE: The temperature may be changed at any time by pressing the Temp/Time “up” or “down” arrow keypad to the desired temperature and then START.

Aluminum Foil

IMPORTANT: To avoid permanent damage to the oven bottom finish, do not line the oven bottom with any type of foil or liner.

For best cooking results, do not cover entire oven rack with foil because air must be able to move freely.

Positioning Racks and Bakeware

IMPORTANT: To avoid permanent damage to the porcelain finish, do not place food or bakeware directly on the oven door or bottom.

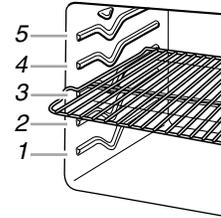
Bakeware

To cook food evenly, hot air must be able to circulate. Allow 2" (5 cm) of space around bakeware and oven walls. Make sure that no bakeware piece is directly over another.

Racks

- Position racks before turning on the oven.
- Do not position racks with bakeware on them.
- Make sure racks are level.

To move a rack, pull it out to the stop position, raise the front edge, and then lift out. Use the following illustration and charts as a guide.



Rack Positions

Rack 5: 2-rack baking.

Rack 4: Use for broiling and toasting.

Rack 3: Most baked goods on a cookie sheet, jelly roll pan or muffin pan; casseroles; frozen convenience foods.

Rack 2: Roasting small cuts of meat and poultry, pies, bundt and angel food cakes, yeast bread; quick breads; and 2-rack baking.

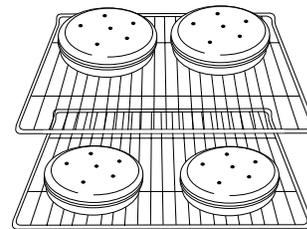
Rack 1: Roasting large cuts of meat and poultry.

Multiple Rack Cooking

2-rack: Use rack positions 2 and 5 for regular and convection baking.

Baking Layer Cakes on 2 Racks

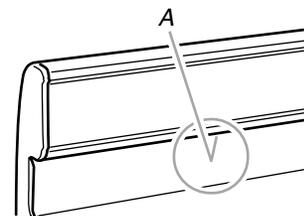
For best results when baking cakes on 2 racks, use racks 2 and 5 with regular baking. Place the cakes on the racks as shown.



Baking Cookies

For best results when baking cookies on 2 racks, use racks 2 and 5.

Oven Vent



A. Oven vent

The oven vent releases hot air and moisture from the oven and should not be blocked or covered. Blocking or covering the oven vent will cause poor air circulation, affecting cooking and cleaning results. Do not set plastics, paper, or other items that could melt or burn near the oven vent.

Baking and Roasting

NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.

The bake and broil burners cycle on and off in intervals. This feature is automatically activated when the oven is in use.

Before baking and roasting, position racks according to "Positioning Racks and Bakeware" section. When roasting, it is not necessary to wait for the oven preheat cycle to end before putting food in unless it is recommended in the recipe.

Preheating

When Start is pressed, the oven will begin preheating. Once 100°F (38°C) is reached, the display temperature will increase as the actual temperature of the oven increases. When the preheat temperature is reached, a tone will sound, and the selected temperature will appear on the display.

Oven Temperature

While in use, the oven elements will cycle on and off as needed to maintain a consistent temperature, but they may run slightly hot or cool at any point in time due to this cycling. Opening the oven door while in use will release the hot air and cool the oven which could impact the cooking time and performance. It is recommended to use the oven light to monitor cooking progress.

NOTE: On models with convection, the convection fan may run in the non-convection bake mode to improve oven performance.

Temperature Management System

The Temperature Management System electronically regulates the oven heat levels during preheat and bake to maintain a precise temperature range for optimal cooking results. The bake and broil elements or burners cycle on and off in intervals. On convection range models, the fan will run while preheating and may be cycled on and off for short intervals during bake to provide the best results. This feature is automatically activated when the oven is in use.

Broiling

NOTE: The convection fan will shut off when the oven door is opened. If the oven door remains open for too long, the heating elements will shut off until the oven door is closed. All timers, including any active Cook Time or Timed Cook functions, will continue to count down.

Position food on grid in a broiler pan, and then place it in the center of the oven rack.

Changing the temperature when broiling allows more precise control when cooking. The lower the broil setting, the slower the cooking. Thicker cuts and unevenly shaped pieces of meat, fish, and poultry may cook better at lower broil settings. Use racks 4 or 5 for broiling. Refer to the "Positioning Racks and Bakeware" section for more information.

- For best results, use a broiler pan and grid. It is designed to drain juices and help avoid spatter and smoke.

If you would like to purchase a broiler pan, one may be ordered. See the "Accessories" section.

NOTE: Odors and smoke are normal the first few times the oven is used or if the oven is heavily soiled.

RANGE CARE

Self-Cleaning Cycle

(on some models)

⚠ WARNING



Burn Hazard

Do not touch the oven during the Self-Cleaning cycle.

Keep children away from oven during Self-Cleaning cycle.

Failure to follow these instructions can result in burns.

IMPORTANT: The health of some birds is extremely sensitive to the fumes given off during the Self-Cleaning cycle. Exposure to the fumes may result in death to certain birds. Always move birds to another closed and well-ventilated room.

Do not block the oven vent during the Self-Cleaning cycle. Air must be able to move freely. Depending on your model, see the "Oven Vent" section.

Do not clean, rub, damage, or move the oven door gasket.

Prepare Range

- Remove the broiler pan, grid, cookware and bakeware, all cooking utensils, oven racks and aluminum foil and, on some models, the temperature probe from the oven.
- Use a damp cloth to clean inside door edge and the 1½" (3.8 cm) area around the inside oven cavity frame, being certain not to move or bend the gasket.
- Remove plastic items from the cooktop because they may melt.
- Remove all items from the storage drawer.

How the Cycle Works

IMPORTANT: The heating and cooling of porcelain on steel in the oven may result in discoloring, loss of gloss, hairline cracks, and popping sounds.

Before Self-Cleaning, make sure the door is completely closed or the door will not lock and the Self-Cleaning cycle will not begin.

Once the oven has completely cooled, remove ash with a damp cloth. To avoid breaking the glass, do not apply a cool damp cloth to the inner door glass before it has completely cooled.

To stop the self-cleaning cycle at anytime, press OFF/CANCEL. If the temperature is too high, the oven door will remain locked and "cool" and "locked" will be displayed. The cooling fan may continue to run.

Once the cleaning temperature has been reached, the electronic control requires a 12-hour delay before another Self-Cleaning cycle can be started.

The oven light will not function during the Self-Cleaning cycle.

Electronic Oven Control with Adjustable Clean Time (on some models)

The Self-Cleaning cycle is time adjustable between 2 hours 30 minutes and 4 hours 30 minutes in 30-minute increments. Suggested clean times are 2 hours 30 minutes for light soil and 4 hours 30 minutes for heavy soil.

To Self-Clean:

1. Press CLEAN.
2. Press the Temp/Time “up” or “down” arrow keypad to enter the desired Self-Cleaning cycle time.
3. Press START.

The oven door will automatically lock. The Door Locked and Clean indicator lights will be displayed. The time remaining will also be displayed.

4. When the Self-Cleaning cycle is complete and the oven cools, the Door Locked and Clean indicator lights will turn off.
5. When the oven is completely cooled, remove ash with a damp cloth.

To exit the Self-Cleaning cycle before completed, press OFF/CANCEL. The door will unlock once the oven cools.

General Cleaning

IMPORTANT: Before cleaning, make sure all controls are off and the oven and cooktop are cool. Always follow label instructions on cleaning products. For additional information, you can visit the Frequently Asked Questions (FAQs) section of our website at www.amana.com. In Canada, reference the Customer Service section at www.amanacanada.ca.

Soap, water, and a soft cloth or sponge are suggested first unless otherwise noted.

EXTERIOR PORCELAIN ENAMEL SURFACES (on some models)

Food spills containing acids, such as vinegar and tomato, should be cleaned as soon as the entire range is cool. These spills may affect the finish.

Cleaning Method:

- Glass cleaner, mild liquid cleaner, or nonabrasive scrubbing pad:
Gently clean around the model/serial/rating plate because scrubbing may remove numbers.
- Affresh® Kitchen and Appliance Cleaner Part Number W10355010 (not included):
See the “Accessories” section for more information.

STAINLESS STEEL (on some models)

NOTE: To avoid damage to stainless steel surfaces, do not use soap-filled scouring pads, abrasive cleaners, Cooktop Cleaner, steel-wool pads, gritty washcloths, or abrasive paper towels. Damage may occur to stainless steel surfaces, even with one-time or limited use.

Cleaning Method:

Rub in direction of grain to avoid damaging.

- Affresh® Stainless Steel Cleaner Part Number W10355016 (not included):
See the “Accessories” section for more information.

METALLIC PAINT (on some models)

Do not use abrasive cleaners, cleaners with bleach, rust removers, ammonia, or sodium hydroxide (lye) because paint surface may stain.

PORCELAIN-COATED GRATES AND CAPS

Food spills containing acids, such as vinegar and tomato, should be cleaned as soon as the cooktop, grates, and caps are cool. These spills may affect the finish.

To avoid chipping, do not bang grates and caps against each other or hard surfaces such as cast iron cookware.

Do not reassemble caps on burners while wet.

Do not clean in the Self-Cleaning cycle.

Cleaning Method:

- Nonabrasive plastic scrubbing pad and mildly abrasive cleanser:
Clean as soon as cooktop, grates, and caps are cool.

- Dishwasher (grates only, not caps):
Use the most aggressive cycle. Cooked-on soils should be soaked or scrubbed before going into a dishwasher.
- Gas Grate and Drip Pan Cleaner Part Number 31617 (not included):
See the “Accessories” section for more information.

SURFACE BURNERS

- See the “Sealed Surface Burner” section.

COOKTOP CONTROLS

To avoid damage to the cooktop controls, do not use steel wool, abrasive cleansers, or oven cleaner.

To avoid damage, do not soak knobs. When replacing knobs, make sure knobs are in the Off position.

On some models, do not remove seals under knobs.

Cleaning Method:

- Soap and water:
Pull knobs straight away from control panel to remove.

CONTROL PANEL AND OVEN DOOR EXTERIOR

To avoid damage to the control panel, do not use abrasive cleaners, steel-wool pads, gritty washcloths, or abrasive paper towels.

Cleaning Method:

- Glass cleaner and soft cloth or sponge:
Apply glass cleaner to soft cloth or sponge, not directly on panel.
- Affresh® Kitchen and Appliance Cleaner Part Number W10355010 (not included):
See the “Accessories” section for more information.

OVEN RACKS

Cleaning Method:

- Steel-wool pad
- For racks that have discolored and are harder to slide, a light coating of vegetable oil applied to the rack guides will help them slide.

STORAGE DRAWER

Check that storage drawer is cool and empty before cleaning.

Cleaning Method:

- Mild detergent

OVEN CAVITY

Do not use oven cleaners.

Food spills should be cleaned when oven cools. At high temperatures, foods react with porcelain and staining, etching, pitting or faint white spots can result.

Cleaning Method:

- Self-Cleaning cycle (on some models):
See “Self-Cleaning Cycle” first.

Oven Light

The oven light is a standard 40-watt appliance bulb. Before replacing, make sure the oven and cooktop are cool and the control knobs are in the Off position.

To Replace:

1. Unplug range or disconnect power.
2. Turn the glass bulb cover in the back of the oven counterclockwise to remove.
3. Turn bulb counterclockwise to remove from socket.
4. Replace bulb, then bulb cover by turning clockwise.
5. Plug in range or reconnect power.

TROUBLESHOOTING

First try the solutions suggested here. If you need further assistance or more recommendations that may help you avoid a service call, refer to the warranty page in this manual, or visit <http://amana.custhelp.com>. In Canada, visit <http://www.amanacanada.ca>. Contact us by mail with any questions or concerns at the address below:

In the U.S.A.:

Amana Brand Home Appliances
Customer eXperience Center
553 Benson Road
Benton Harbor, MI 49022-2692

In Canada:

Amana Brand Home Appliances
Customer eXperience Centre
200 - 6750 Century Ave.
Mississauga, Ontario L5N 0B7

Please include a daytime phone number in your correspondence.-

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

Problem	Possible Causes and/or Solutions
Nothing will operate	<p>Power supply cord is unplugged: Plug into a grounded 3 prong outlet.</p> <p>Household fuse is blown or a circuit breaker is tripped: Replace the fuse or reset the circuit breaker. If the problem continues, call an electrician.</p> <p>Main or regulator gas shutoff valve is in the Off position: See the Installation Instructions.</p> <p>The range is improperly connected to the gas supply: Contact a trained repair specialist or see Installation Instructions.</p>
Surface burners will not operate	<p>Oven is not in Self-Cleaning cycle: Surface burners will not operate during Self-Cleaning cycle.</p> <p>The control knob is not set correctly: Push in knob before turning to a setting.</p> <p>Air in the gas lines: If this is the first time the surface burners have been used, turn on any one of the surface burner knobs to release air from the gas lines.</p> <p>Clogged burner ports: See the “Sealed Surface Burners” section.</p>
Surface burner flames are uneven, yellow, and/or noisy	<p>Clogged burner ports: See the “Sealed Surface Burners” section.</p> <p>Burner caps positioned improperly: See the “Sealed Surface Burners” section.</p> <p>Range converted improperly: If propane gas is being used, contact a service technician or see the “Warranty” section for contact information.</p>
Excessive heat around cookware on cooktop	<p>Cookware that is not the proper size: The cookware should be centered above the burner with the bottom sitting level on the grate. The flame should be adjusted so that it does not extend up the sides of the pan.</p>
Cooktop cooking results not what expected	<p>Improper cookware: Ideal cookware should have a flat bottom, straight sides, and a well-fitting lid, and the material should be of a medium-to-heavy thickness.</p> <p>Control knob set to incorrect heat level: See the “Cooktop” section.</p> <p>Range is not level: Level the range. See the Installation Instructions.</p>
Oven will not operate	<p>Air in the gas lines: If this is the first time the oven has been used, turn on any one of the surface burner knobs to release air from the gas lines.</p> <p>Electronic oven control set incorrectly: See the “Electronic Oven Controls” section.</p>
Oven burner flames are yellow or noisy	<p>Range converted improperly: If propane gas is being used, contact a service technician or see the “Warranty” section for contact information.</p>
Oven temperature too high or too low	<p>Oven temperature needs adjustment: See the “Oven Temperature Control” in the “Electronic Oven Controls” section.</p>

Problem	Possible Causes and/or Solutions
Convection fan not turning on	The convection cycle is in the first 5 minutes of operation: This is normal. The convection fan will start running approximately 5 minutes into the cycle. Oven door is open: If the oven door is opened during convection cooking, the fan will turn off immediately. It will come back on when the oven door is closed.
Heating elements have shut off	Oven door was open for too long: If the oven door remains open for too long, the heating elements will shut off until the oven door is closed.
Display shows messages	Power failure (Display shows flashing time.): Clear the display. On some models, reset the clock, if needed. See “Clock” keypad feature in the “Feature Guide” section. Error code (Display shows letter followed by number.): Press OFF/CANCEL to clear the display. See “Control Display” in the “Electronic Oven Controls” section. If it reappears, call for service. See the “Warranty” section for contact information. Start needs to be pressed so a cycle can begin (Display shows “PRESS START”.): See the “Start” keypad feature in the “Feature Guide” section.
Self-Cleaning cycle will not operate	The oven door is open: Close the oven door all the way. The function has not been entered: See the “Self-Cleaning Cycle” section. The Self-Cleaning cycle has been run in the past 12 hours: If a Self-Cleaning cycle has been run, or canceled after the oven has reached temperature, you will have to wait 12 hours to restart.
Oven cooking results not what expected	Range is not level: Level the range. See the Installation Instructions. The set temperature was incorrect: Double-check the recipe in a reliable cookbook. Oven temperature is calibrated incorrectly: See “Oven Temperature Control” in the “Electronic Oven Controls” section. Oven was not preheated: See the “Baking and Roasting” section. Racks were positioned improperly: See the “Positioning Racks and Bakeware” section. Not enough air circulation around bakeware: See the “Positioning Racks and Bakeware” section. Darker browning of food caused by dull or dark bakeware: Lower oven temperature 25°F (15°C) or move rack to a higher position in the oven. Lighter browning of food caused by shiny or light colored bakeware: Move rack to a lower position in the oven. Batter distributed unevenly in pan: Check that batter is level in the pan. Incorrect length of cooking time was used: Adjust cooking time. Oven door was not closed: Be sure that the bakeware does not keep the door from closing. Oven door was opened during cooking: Oven peeking releases oven heat and can result in longer cooking times. Rack is too close to bake burner, making baked items too brown on bottom: Move rack to higher position in the oven. Pie crusts browning too quickly: Use aluminum foil to cover the edge of the crust and/or reduce baking temperature. Foods are overdone or burnt even at low temperatures: Check if the temperature scale has been changed from Fahrenheit to Celcius. See “Fahrenheit and Celcius” in the “Electronic Oven Controls” section.

Noises

Problem	Possible Causes and/or Solutions
Surface burner making popping noises	Wet burner: Allow it to dry.
Gas range noises during Bake and Broil operations The following are some normal sounds with the explanations.	These sounds are normal operational noises that can be heard each time the Bake or Broil burners ignite during the cycle.
Pop	Gas valve is opening or cycling on and will make a single pop when it snaps open from the solenoid. It sounds similar to a suction cup being pulled off of a piece of glass: This is normal.
Click	The igniters will click several times until the flame is detected. These are short clicking sounds like tapping a nail onto a piece of glass: This is normal. Convection fan relay is cycling on and off (on some models): This is normal.
Woosh or poof	Bake or Broil burner is igniting: This is normal.
Oven burner flames are yellow or noisy	Range converted improperly: If propane gas is being used, contact a service technician or see the “Warranty” section for contact information.

ACCESSORIES

For accessories in the U.S.A., you can visit our website at www.amana.com or call us at 1-800-843-0304. In Canada, visit our website at www.amanacanada.ca or call us at 1-800-807-6777.

Affresh® Stainless Steel Cleaner

(stainless steel models)
Order Part Number W10355016

Affresh® Stainless Steel Cleaning Wipes

(stainless steel models)
Order Part Number W10355049

Affresh® Kitchen and Appliance Cleaner

Order Part Number W10355010

Granite Cleaner and Polish

Order Part Number W10275756

Gas Grate and Drip Pan Cleaner

Order Part Number 31617

2-Burner Cooktop Griddle

Order Part Number 4396096RB

Split Oven Rack

Order Part Number 4396927

Porcelain Broiler Pan and Grid

Order Part Number 4396923

Premium Broiler Pan and Roasting Rack

Order Part Number W10123240

AMANA® MAJOR APPLIANCE LIMITED WARRANTY

ATTACH YOUR RECEIPT HERE. PROOF OF PURCHASE IS REQUIRED TO OBTAIN WARRANTY SERVICE.

Please have the following information available when you call the Customer eXperience Center:

- Name, address and telephone number
- Model number and serial number
- A clear, detailed description of the problem
- Proof of purchase including dealer or retailer name and address

IF YOU NEED SERVICE:

1. Before contacting us to arrange service, please determine whether your product requires repair. Some questions can be addressed without service. Please take a few minutes to review the Troubleshooting or Problem Solver section of the Use and Care Guide, or visit <http://amana.custhelp.com>.
2. All warranty service is provided exclusively by our authorized Amana Service Providers. In the U.S. and Canada, direct all requests for warranty service to:

Amana Customer eXperience Center

In the U.S.A., call 1-800-843-0304. In Canada, call 1-800-807-6777.

If outside the 50 United States or Canada, contact your authorized Amana dealer to determine whether another warranty applies.

ONE YEAR LIMITED WARRANTY

WHAT IS COVERED

For one year from the date of purchase, when this major appliance is installed, operated and maintained according to instructions attached to or furnished with the product, Amana brand of Whirlpool Corporation or Whirlpool Canada LP (hereafter "Amana") will pay for Factory Specified Replacement Parts and repair labor to correct defects in materials or workmanship that existed when this major appliance was purchased, or at its sole discretion replace the product. In the event of product replacement, your appliance will be warranted for the remaining term of the original unit's warranty period.

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. Service must be provided by a Amana designated service company. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. This limited warranty is effective from the date of original consumer purchase. Proof of original purchase date is required to obtain service under this limited warranty.

WHAT IS NOT COVERED

1. Commercial, non-residential, multiple-family use, or use inconsistent with published user, operator or installation instructions.
2. In-home instruction on how to use your product.
3. Service to correct improper product maintenance or installation, installation not in accordance with electrical or plumbing codes or correction of household electrical or plumbing (i.e. house wiring, fuses or water inlet hoses).
4. Consumable parts (i.e. light bulbs, batteries, air or water filters, preservation solutions, etc.).
5. Defects or damage caused by the use of non-genuine Amana parts or accessories.
6. Conversion of products from natural gas or Propane gas.
7. Damage from accident, misuse, abuse, fire, floods, acts of God or use with products not approved by Amana.
8. Repairs to parts or systems to correct product damage or defects caused by unauthorized service, alteration or modification of the appliance.
9. Cosmetic damage including scratches, dents, chips, and other damage to the appliance finishes unless such damage results from defects in materials and workmanship and is reported to Amana within 30 days.
10. Discoloration, rust or oxidation of surfaces resulting from caustic or corrosive environments including but not limited to high salt concentrations, high moisture or humidity or exposure to chemicals.
11. Food or medicine loss due to product failure.
12. Pick-up or delivery. This product is intended for in-home repair.
13. Travel or transportation expenses for service in remote locations where an authorized Amana servicer is not available.
14. Removal or reinstallation of inaccessible appliances or built-in fixtures (i.e. trim, decorative panels, flooring, cabinetry, islands, countertops, drywall, etc.) that interfere with servicing, removal or replacement of the product.
15. Service or parts for appliances with original model/serial numbers removed, altered or not easily determined.

The cost of repair or replacement under these excluded circumstances shall be borne by the customer.

DISCLAIMER OF IMPLIED WARRANTIES

IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. Some states and provinces do not allow limitations on the duration of implied warranties of merchantability or fitness, so this limitation may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

DISCLAIMER OF REPRESENTATIONS OUTSIDE OF WARRANTY

Amana makes no representations about the quality, durability, or need for service or repair of this major appliance other than the representations contained in this warranty. If you want a longer or more comprehensive warranty than the limited warranty that comes with this major appliance, you should ask Amana or your retailer about buying an extended warranty.

LIMITATION OF REMEDIES; EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. AMANA SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you also may have other rights that vary from state to state or province to province.

Notes

