



Amana[®]

ELECTRIC RANGE

Use & Care Guide

For questions about features, operation/performance,
parts, accessories or service, call: **1-800-843-0304**

or visit our website at...
www.amana.com

Table of Contents 2

TABLE OF CONTENTS

RANGE SAFETY	3	OVEN USE	8
The Anti-Tip Bracket	3	Aluminum Foil	8
COOKTOP USE	5	Positioning Racks and Bakeware	8
Cooktop Controls	5	Split Oven Rack	9
Ceramic Glass	5	Bakeware	9
Home Canning	6	Meat Thermometer	9
Cookware	6	Oven Vent	10
ELECTRONIC OVEN CONTROLS	7	Baking and Roasting	10
Display	7	Broiling	10
Start	7	RANGE CARE	11
Cancel/Off	7	General Cleaning	11
Clock	7	Oven Light	12
Range Lights	7	Oven Door	13
Tones	7	Storage Drawer	13
Fahrenheit and Celsius	7	TROUBLESHOOTING	14
Timer	8	ASSISTANCE OR SERVICE	15
Control Lockout	8	In the U.S.A.	15
12-Hour Shut-Off	8	Accessories	15
Oven Temperature Control	8	WARRANTY	16

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.

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.

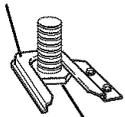
Connect anti-tip bracket to rear range foot.

Reconnect the anti-tip bracket, if the range is moved.

See the installation instructions for details.

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

Anti-Tip Bracket



Range Foot

Making sure the anti-tip bracket is installed:

- Slide range forward.
- Look for the anti-tip bracket securely attached to floor.
- Slide range back so rear range foot is under anti-tip bracket.

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the State of California to cause cancer, birth defects, or other reproductive harm, and requires businesses to warn of potential exposure to such substances.

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

This appliance can cause low-level exposure to some of the substances listed, including benzene, formaldehyde, carbon monoxide, and toluene.

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, AND SLIDE RANGE BACK SO REAR RANGE FOOT IS UNDER ANTI-TIP BRACKET.**
- **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 – Be sure the range is properly installed and grounded by a qualified technician.
- Never Use the Range for Warming or Heating the Room.
- Do Not Leave Children Alone – Children should not be left alone or unattended in area where the range is in use. They should never be allowed to sit or stand on any part of the range.
- Wear Proper Apparel – Loose-fitting or hanging garments should never be worn while using the range.
- User Servicing – Do not repair or replace any part of the range unless specifically recommended in the manual. All other servicing should be referred to a qualified technician.
- Storage in or on the Range – Flammable materials should not be stored in an oven or near surface units.
- Do Not Use Water on Grease Fires – Smother fire or flame or use dry chemical or foam-type extinguisher.
- Use Only Dry Potholders – Moist or damp potholders on hot surfaces may result in burns from steam. Do not let potholder touch hot heating elements. Do not use a towel or other bulky cloth.
- **DO NOT TOUCH SURFACE UNITS OR AREAS NEAR UNITS** – Surface units may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials contact surface units or areas near units until they have had sufficient time to cool. Among those areas are the cooktop and surfaces facing the cooktop.
- Use Proper Pan Size – The range is equipped with one or more surface units of different size. 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 burner will also improve efficiency.
- Never Leave Surface Units Unattended at High Heat Settings – Boilover causes smoking and greasy spillovers that may ignite.
- Make Sure Reflector Pans or Drip Bowls Are in Place – Absence of these pans or bowls during cooking may subject wiring or components underneath to damage.

- Protective Liners – Do not use aluminum foil to line surface unit drip bowls or oven bottoms, except as suggested in the manual. Improper installation of these liners may result in a 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 range-top service without breaking due to the sudden change in temperature.
- Utensil Handles Should Be Turned Inward and Not Extend Over Adjacent Surface Units – To reduce the risk of burns, ignition of flammable materials, and spillage due to unintentional contact with the utensil, the handle of a utensil should be positioned so that it is turned inward, and does not extend over adjacent surface units.
- Do Not Soak Removable Heating Elements – Heating elements should never be immersed in water.
- 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 steam burn. Some cleaners can produce noxious fumes if applied to a hot surface.
- Use Care When Opening Door – Let hot air or steam escape before removing or replacing food.
- Do Not Heat Unopened Food Containers – Build-up of pressure may cause container to burst and result in injury.
- Keep Oven Vent Ducts Unobstructed.
- Placement of Oven Racks – Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot, do not let potholder contact hot heating element in oven.
- **DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN** – Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials contact heating elements or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the appliance may become hot enough to cause burns – among these surfaces are oven vent openings and surfaces near these openings, oven doors, and windows of oven doors.

For self-cleaning ranges –

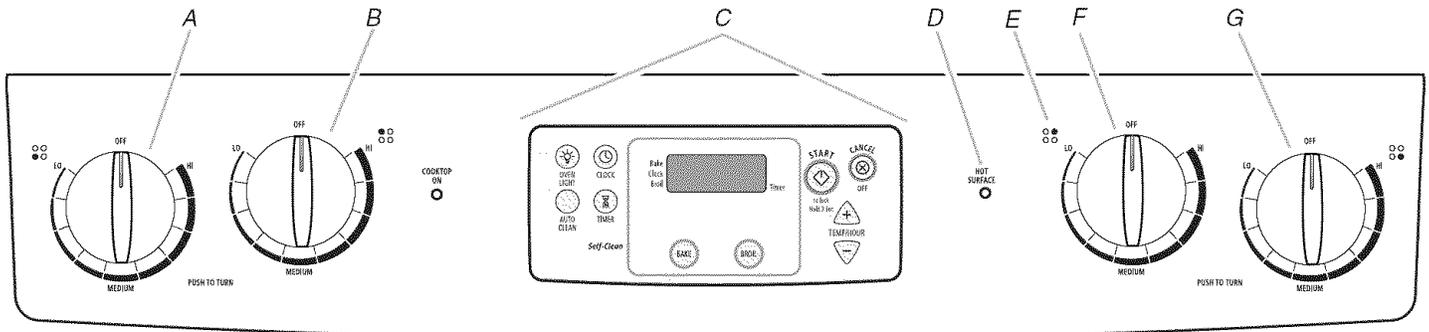
- Do Not Clean Door Gasket – The door gasket is essential for a good seal. Care should be taken not to rub, damage, or move the gasket.
- Do Not Use Oven Cleaners – No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- Clean Only Parts Listed in Manual.
- Before Self-Cleaning the Oven – Remove broiler pan and other utensils.

For units with ventilating hood –

- Clean Ventilating Hoods Frequently – Grease should not be allowed to accumulate on hood or filter.
- When flambeing foods under the hood, turn the fan on.

SAVE THESE INSTRUCTIONS

COOKTOP USE



A. Left front control knob
 B. Left rear control knob
 C. Electronic oven control

D. Hot surface indicator light
 E. Surface cooking area locator

F. Right rear control knob
 G. Right front control knob

Cooktop Controls

⚠ WARNING



Fire Hazard

Turn off all controls when done cooking.
 Failure to do so can result in death or fire.

The control knobs can be set to anywhere between HI and LO. Push in and turn to setting. Use the following chart as a guide when setting heat levels.

SETTING	RECOMMENDED USE
HI	<ul style="list-style-type: none"> ■ Start food cooking. ■ Bring liquid to a boil.
Medium High Between MEDIUM and HI	<ul style="list-style-type: none"> ■ Hold a rapid boil. ■ Quickly brown or sear food.
MEDIUM	<ul style="list-style-type: none"> ■ Maintain a slow boil. ■ Fry or sauté foods. ■ Cook soups, sauces and gravies.
Medium Low Between MEDIUM and LO	<ul style="list-style-type: none"> ■ Stew or steam food. ■ Simmer.
LO	<ul style="list-style-type: none"> ■ Keep food warm. ■ Melt chocolate or butter.

Ceramic Glass (on some models)

The surface cooking area will glow red when an element is on. It may cycle on and off to maintain the selected heat level.

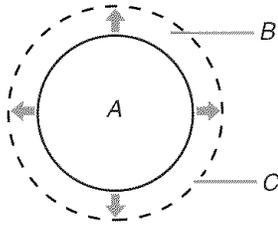
It is normal for the surface of light colored ceramic glass to appear to change color when surface cooking areas are hot. As the glass cools, it will return to its original color.

Cleaning off the cooktop before and after each use will help keep it free from stains and provide the most even heating. On cooktops with light colored ceramic glass, soils and stains may be more visible, and may require more cleaning and care. Cooktop cleaner and a cooktop scraper are recommended. For more information, see "General Cleaning" section.

- Avoid storing jars or cans above the cooktop. Dropping a heavy or hard object onto the cooktop could crack the cooktop.
- To avoid damage to the cooktop, do not leave a hot lid on the cooktop. As the cooktop cools, air can become trapped between the lid and the cooktop, and the ceramic glass could break when the lid is removed.
- For foods containing sugar in any form, clean up all spills and soils as soon as possible. Allow the cooktop to cool down slightly. Then, while wearing oven mitts, remove the spills using a scraper while the surface is still warm. If sugary spills are allowed to cool down, they can adhere to the cooktop and can cause pitting and permanent marks.
- To avoid scratches, do not slide cookware or bakeware across the cooktop. Aluminum or copper bottoms and rough finishes on cookware or bakeware could leave scratches or marks on the cooktop.
- Do not cook popcorn in prepackaged aluminum containers on the cooktop. They could leave aluminum marks that cannot be removed completely.
- To avoid damage to the cooktop, do not allow objects that could melt, such as plastic or aluminum foil, to touch any part of the entire cooktop.
- To avoid damage to the cooktop, do not use the cooktop as a cutting board.

REMEMBER: When cooktop is in use, the entire cooktop area may become hot.

- Use cookware about the same size as the surface cooking area. Cookware should not extend more than ½" (1.3 cm) outside the area.



A. Surface cooking area
 B. Cookware/canner
 C. ½" (1.3 cm) maximum overhang

- Use flat-bottomed cookware for best heat conduction and energy efficiency. Cookware with rounded, warped, ribbed or dented bottoms could cause uneven heating and poor cooking results.
- Determine 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.
- Cookware designed with slightly indented bottoms or small expansion channels can be used.
- Make sure the bottoms of pots and pans are clean and dry before using them. Residue and water can leave deposits when heated.
- To avoid damage to the cooktop, do not cook foods directly on the cooktop.

Hot Surface Indicator Light

On coil element and ceramic glass models, the hot surface indicator light is located on the console panel.

The hot surface indicator light will glow as long as any surface cooking area is too hot to touch, even after the surface cooking area(s) is turned off.

Home Canning

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

- Center the canner on the grate or largest surface cooking area or element. On electric cooktops, canners should not extend more than ½" (1.3 cm) beyond the surface cooking area or element.
- Do not place canner on 2 surface cooking areas, elements or surface burners at the same time.
- On ceramic glass models, use only flat-bottomed canners.
- For more information, contact your local agricultural department. Companies that manufacture home canning products can also offer assistance.

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. However, when used as a base they can leave permanent marks on the cooktop or grates.

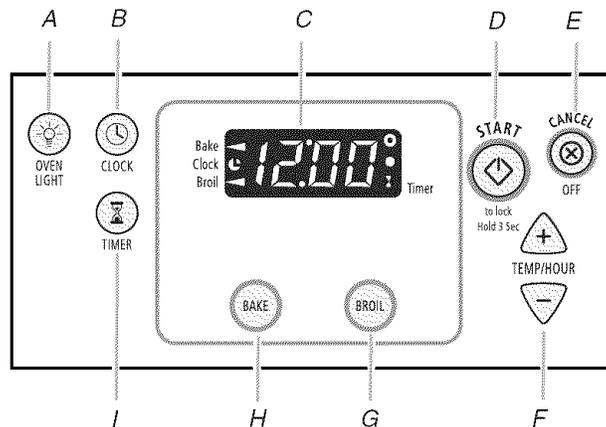
Cookware material is a factor in how quickly and evenly heat is transferred, which affects cooking results. A nonstick finish has the same characteristics as its base material. For example, aluminum cookware with a nonstick finish will take on the properties of aluminum.

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

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.
Earthenware	<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.

ELECTRONIC OVEN CONTROLS



- A. Oven light
- B. Clock
- C. Oven display
- D. Start/control lock
- E. Cancel/off
- F. Temperature/time
- G. Broil
- H. Bake
- I. Timer

Display

When power is first supplied to the appliance, a flashing time will appear on the display. Press CANCEL/OFF to clear the display.

If a flashing time appears at any other time, a power failure has occurred. Press CANCEL/OFF and reset the clock if needed.

When the oven is not in use, the display shows the time of day.

When performing a timed cook function, the display will show either hours and minutes, or minutes and seconds.

Start

The Start pad begins any oven function, except kitchen timer. If the Start pad is not pressed within 5 seconds after pressing a function pad, the "START?" or "PUSH?" indicator light will appear on the display (on some models).

If the Start pad is not pressed within 1 minute after pressing a function pad, the oven display will return to the time of day mode and the programmed function will be canceled.

Cancel/Off

The Cancel/Off pad stops any function except the Clock, Timer, and Control Lock.

Clock

To Set:

Before setting, make sure the oven and Timer are off.

1. Press CLOCK.
2. Press the TEMP/HOUR "up" or "down" arrow pads to set the time of day.
3. Press CLOCK or START.

On some models, clock display can be turned off or on by pushing and holding CLOCK.

Range Lights

Oven 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.

Tones

Tones are audible signals, indicating the following:

Basic Functions

One tone

- Valid pad press
- Oven is preheating (long tone)
- Function has been entered
- Reminder (on some models), repeating each minute after the end-of-cycle tones

Three tones

- Invalid pad press

Four tones

- End of cycle

Reminder Tones: The audible tones at the end of the Timer may be set to beep once or continue to beep. Press and hold TIMER for 5 seconds to enter Options mode. "Opt" will appear on the display. Use TEMP/HOUR to cycle through the options until you reach "b" or "b1" (depending on your model). Cycle on and off using TIMER. Press CANCEL to exit the mode.

Fahrenheit and Celsius

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

To change: Press and hold BROIL for 5 seconds. A tone will sound and "°C" or "°F" will appear on the display. Repeat to change back to Fahrenheit.

To exit mode, press CANCEL/OFF.

Timer

The Timer can be set in hours or minutes up to 12 hours and 59 minutes, and counts down the set time. The Timer does not start or stop the oven.

To Set:

1. Press TIMER. The timer indicator light will light up on some models. If no action is taken after 1 minute, the display will return to the time of day.
2. Press the TEMP/HOUR “up” or “down” arrow pads to set the length of time.
3. Press TIMER. When the set time ends, end-of-cycle tones will sound; then, if enabled, reminder tones will sound every minute on some models.
4. Press TIMER twice to cancel the Timer and reminder tones.

NOTE: Do not press the CANCEL/OFF pad because the oven will turn off.

On some models, to display the time of day for 5 seconds when the timer is counting down, press CLOCK.

Control Lockout

The control lockout shuts down the control panel pads to avoid unintended use of the oven.

When the control is locked, only the CLOCK, OVEN LIGHT and TIMER pads will function.

To Lock/Unlock Control: Before locking, make sure the oven and Cook Timer are off. Press and hold the START key for 3 seconds. A single tone will sound, and “Loc” will appear on the display.

Repeat to unlock. “Loc” will disappear from the display.

12-Hour Shut-Off

The oven control is set to automatically shut off the oven 12 hours after the oven turns on. This will not interfere with any timed or delayed cook function.

Oven Temperature Control

IMPORTANT: Do not use a thermometer to measure oven temperature because opening the oven door may cause burner cycling to give incorrect readings.

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

A minus sign means the oven will be cooler by the displayed amount. The absence of a minus sign means the oven will be warmer by the displayed amount. Use the following chart as a guide.

ADJUSTMENT °F (ADJUSTMENT °C)	COOKS FOOD
10°F (5°C)	...a little more
20°F (10°C)	...moderately more
30°F (15°C)	...much more
-10°F (-5°C)	...a little less
-20°F (-10°C)	...moderately less
-30°F (-15°C)	...much less

To Adjust Oven Temperature Calibration:

1. Press and hold BAKE for 5 seconds until the oven display shows the current calibration, for example “0°F CAL” or “00.”
 2. Press the TEMP/HOUR “+” (plus) or “-” (minus) pads to increase or to decrease the temperature in 10°F (5°C) amounts. The adjustment can be set between 30°F (15°C) and -30°F (-15°C).
 3. Press START.
-

OVEN USE

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.

Aluminum Foil

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

- For best cooking results, do not cover entire rack with foil because air must be able to move freely.
 - To catch spills, place foil on rack below dish. Make sure foil is at least ½" (1.3 cm) larger than the dish and that it is turned up at the edges.
-

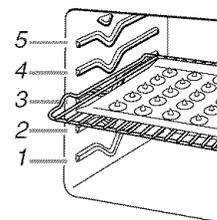
Positioning Racks and Bakeware

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

RACKS

- Position racks before turning on the oven.
- Do not move 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, then lift out. Use the following illustration and chart as a guide.



FOOD	RACK POSITION(S)
Large roasts, turkeys, angel food, bundt cakes, quick breads, pies	1 or 2
Yeast breads, casseroles, meat and poultry	2
Cookies, biscuits, muffins, cakes	2 or 3

BAKEWARE

Hot air must be able to circulate around food to cook evenly, so allow 2" (5 cm) of space around bakeware and oven walls. Use the following chart as a guide.

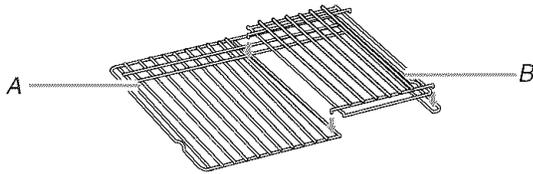
NUMBER OF PAN(S)	POSITION ON RACK
1	Center of rack.
2	Side by side or slightly staggered.
3 or 4	Opposite corners on each rack. Make sure that no bakeware piece is directly over another.

Split Oven Rack (on some models)

Split-Rack with Removable Insert

The split-rack with removable insert is a space maximizer. When the two are attached, they make a full rack. The insert can also be removed to provide room for large items such as a turkey and casseroles. Do not place more than 25 lbs (11.3 kg) on the split-rack.

The insert can also be used on the counter as a cooling rack.

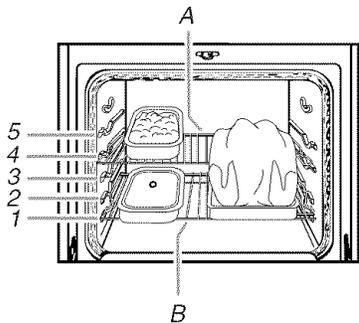


A. Split-rack
B. Removable insert

If you would like to purchase a split-oven rack, one may be ordered. See "Assistance or Service" section to order. Ask for Part Number 4396927.

To Use Racks:

1. Place a full rack on position 1 or 2, and the split-rack on position 3 or 4.
2. Place large items on the right side of the full rack.
3. Place deeper, covered dishes on the left side of the full rack.
4. Place shallow dishes on the split-rack.
5. When finished cooking, slowly remove items.



A. Split rack
B. Full rack

Bakeware

The bakeware material affects cooking results. Follow manufacturer's recommendations and use the bakeware size recommended in the recipe. Use the following chart as a guide.

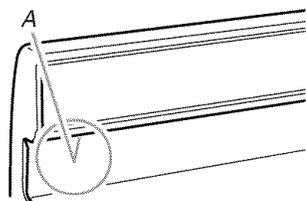
BAKEWARE/ RESULTS	RECOMMENDATIONS
Light colored aluminum <ul style="list-style-type: none"> ■ Light golden crusts ■ Even browning 	<ul style="list-style-type: none"> ■ Use temperature and time recommended in recipe.
Dark aluminum and other bakeware with dark, dull and/or nonstick finish <ul style="list-style-type: none"> ■ Brown, crisp crusts 	<ul style="list-style-type: none"> ■ May need to reduce baking temperatures slightly. ■ Use suggested baking time. ■ For pies, breads and casseroles, use temperature recommended in recipe. ■ Place rack in center of oven.
Insulated cookie sheets or baking pans <ul style="list-style-type: none"> ■ Little or no bottom browning 	<ul style="list-style-type: none"> ■ Place in the bottom third of oven. ■ May need to increase baking time.
Stainless steel <ul style="list-style-type: none"> ■ Light, golden crusts ■ Uneven browning 	<ul style="list-style-type: none"> ■ May need to increase baking time.
Stoneware/Baking stone <ul style="list-style-type: none"> ■ Crisp crusts 	<ul style="list-style-type: none"> ■ Follow manufacturer's instructions.
Ovenproof glassware, ceramic glass or ceramic <ul style="list-style-type: none"> ■ Brown, crisp crusts 	<ul style="list-style-type: none"> ■ May need to reduce baking temperatures slightly.

Meat Thermometer

On models without a temperature probe, use a meat thermometer to determine whether meat, poultry and fish, are cooked to the desired degree of doneness. The internal temperature, not appearance, should be used to determine doneness. A meat thermometer is not supplied with this appliance.

- Insert the thermometer into the center of the thickest portion of the meat or inner thigh and breast of poultry. The tip of the thermometer should not touch fat, bone or gristle.
- After reading the thermometer once, push it into the meat ½" (1.3 cm) more and read again. If the temperature drops, cook the meat or poultry longer.
- Check all meat, poultry and fish in 2 or 3 different places.

Oven Vent



A. Oven vent (ceramic glass model)

The oven vent releases hot air and moisture from the oven, and should not be blocked or covered. Blocking or covering the 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

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

To Bake or Roast:

1. Press **BAKE**.
Press TEMP/HOUR "+" (plus) or "-" (minus) pads to set a temperature other than 350°F (175°C) in 5° amounts. The bake range can be set between 170°F and 500°F (75°C and 260°C).
2. Press **START**.
The temperature can be changed after this step.
3. Press **CANCEL/OFF** when finished.

Preheating

After **START** is pressed, the oven will enter a timed preheat conditioning. On some models, "PrE" will appear on the display. On some models, the time countdown will appear on the display. On some models, both "PrE" and the time countdown will appear on the display. When the preheat conditioning time ends, a tone will sound and the selected temperature will appear on the display.

Preheat temperatures are affected by varying factors such as room temperature and peak energy usage times. It is normal for the temperature showing on the display and the actual oven temperature to differ.

Waiting an additional 10 minutes after the preheat conditioning time ends to put food in the oven is suggested when baking foods with leavening ingredients, such as yeast, baking powder, baking soda and eggs.

Broiling

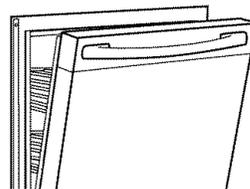
Broiling uses direct radiant heat to cook food. Changing the temperature when Custom Broiling allows more precise control when cooking. The lower the temperature, the slower the cooking. Thicker cuts and unevenly shaped pieces of meat, fish and poultry may cook better at lower broiling temperatures.

- 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 "Assistance or Service" section to order. Ask for Part Number 4396923.

- For proper draining, do not cover the grid with foil. The bottom of the pan may be lined with aluminum foil for easier cleaning.
- Trim excess fat to reduce spattering. Slit the remaining fat on the edges to avoid curling.
- Pull out oven rack to stop position before turning or removing food. Use tongs to turn food to avoid the loss of juices. Very thin cuts of fish, poultry or meat may not need to be turned.
- After broiling, remove the pan from the oven when removing the food. Drippings will bake on the pan if left in the heated oven, making cleaning more difficult.

Before broiling, position rack according to the Broiling Chart. It is not necessary to preheat the oven before putting food in unless recommended in the recipe. Position food on grid in a broiler pan, then place it in the center of the oven rack. Close the door to the broil stop position to ensure proper broiling temperature.



To Broil:

1. Open door to broil stop position.
2. Press **BROIL**.
3. Press **START**.
4. Press **CANCEL/OFF** when finished.

To Custom Broil (on some models):

1. Press **BROIL**.
2. Press TEMP/HOUR "+" (plus) or "-" (minus) pads to change the temperature in 5°F (5°C) amounts. The broil range can be set between 300°F and 525°F (150°C and 275°C).
3. Press **START**.
4. Press **CANCEL/OFF** when finished.

BROILING CHART

For best results, place food 3" (7 cm) or more from the broil element. Times are guidelines only and may need to be adjusted for individual tastes. Recommended rack positions are numbered from the bottom (1) to the top (5). For diagram, see the "Positioning Racks and Bakeware" section.

FOOD	RACK POSITION	COOK TIME minutes	
		Side 1	Side 2
Steak 1" (2.5 cm) thick			
medium rare	4	14-15	7-8
medium	4	15-16	8-9
well-done	4	18-19	9-10
Ground meat patties ¾" (2 cm) thick			
well-done	4	13-14	7-8
Pork chops 1" (2.5 cm) thick	4	20-22	10-11
Ham slice, precooked ½" (1.25 cm) thick	4	8-10	4-5
Frankfurters	4	5-7	3-4
Lamb chops 1" (2.5 cm) thick	4	14-17	8-9
Chicken bone-in pieces	3	17-20	17-20
boneless breasts	4	11-16	11-16
Fish Fillets ¼-½" (0.6-1.25 cm) thick	4	8-10	4-5
Fish Steaks ¾-1" (2-2.5 cm) thick	4	16-18	8-9

RANGE CARE

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.

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 and serial number plate because scrubbing may remove numbers.

- All-Purpose Appliance Cleaner Part Number 31682 (not included):
See "Assistance or Service" section to order.

STAINLESS STEEL (on some models)

To avoid damage to stainless steel, do not use soap-filled scouring pads, abrasive cleaners, Cooktop Polishing Creme, steel-wool pads, gritty washcloths or abrasive paper towels.

Rub in direction of grain to avoid damaging.

Cleaning Method:

- Stainless Steel Cleaner and Polish Part Number 31462 (not included):

See "Assistance or Service" section to order.

- Liquid detergent or all-purpose cleaner:

Rinse with clean water and dry with soft, lint-free cloth.

CERAMIC GLASS (on some models)

To avoid damage to the cooktop, do not use steel wool, abrasive powder cleansers, chlorine bleach, rust remover or ammonia.

Always wipe with a clean, wet cloth or sponge and dry thoroughly to avoid streaking and staining.

Cooktop Cleaner Part Number 31464 is recommended regularly to help avoid scratches, pitting and abrasions and to condition the cooktop, and can be ordered as an accessory. See "Assistance or Service" to order.

Cooktop Scraper Part Number WA906B is also recommended for stubborn soils, and can be ordered as an accessory. See "Assistance or Service" to order. The Cooktop Scraper uses razor blades. Store razor blades out of the reach of children.

Cleaning Method:

Light to moderate soil

- Paper towels or clean damp sponge.

Sugary spills (jellies, candy, syrup)

- Cooktop Scraper:
Clean while the cooktop is still warm. You may want to wear oven mitts while doing so.
- Cooktop Polishing Creme and clean damp paper towel:
Clean as soon as cooktop has cooled down. Rub creme into surface with a damp paper towel or soft cloth. Continue rubbing until white film disappears.

Heavy soil, dark streaks, specks and discoloration

- Cooktop Polishing Creme or nonabrasive cleanser:
Clean as soon as cooktop has cooled down. Rub product into soil with a damp paper towel or soft cloth. Continue rubbing until white film disappears.

Burned-on soil

- Cooktop Polishing Creme and Cooktop Scraper:
Clean as soon as cooktop has cooled down. Rub creme into soil with damp paper towel. Hold scraper as flat as possible on surface and scrape. Repeat for stubborn spots. Polish entire cooktop with creme and paper towel.

Metal marks from aluminum and copper

- Cooktop Polishing Creme:
Clean as soon as cooktop has cooled down. Rub creme into surface with a damp paper towel or soft cloth. Continue rubbing until white film disappears. The marks will not totally disappear but after many cleanings become less noticeable.

Tiny scratches and abrasions

- Cooktop Polishing Creme:
Clean as soon as cooktop has cooled down. Rub creme into surface with a damp paper towel or soft cloth. Continue rubbing until white film disappears. Scratches and abrasions do not affect cooking performance and after many cleanings become less noticeable.

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.

Do not remove seals under knobs, if present.

Cleaning Method:

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

CONTROL PANEL

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

Cleaning Method:

- Glass cleaner and soft cloth or sponge:
Apply glass cleaner to soft cloth or sponge, not directly on panel.
- All-Purpose Appliance Cleaner Part Number 31682 (not included):
See "Assistance or Service" section to order.

OVEN DOOR EXTERIOR

Cleaning Method:

- Glass cleaner and a soft cloth or sponge:
Apply glass cleaner to soft cloth or sponge, not directly on panel.
- All-Purpose Appliance Cleaner Part Number 31682 (not included):
See "Assistance or Service" section to order.

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:

- All-Purpose Appliance Cleaner Part Number 31682 (not included):
See "Assistance or Service" section to order.

OVEN AND ROASTING RACKS

Cleaning Method:

- Steel-wool pad

STORAGE DRAWER (on some models)

Make sure drawer is cool and empty before cleaning.

For more information, see "Storage Drawer" section.

Cleaning Method:

- Mild detergent

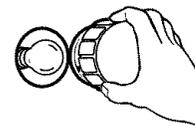
Oven Light (on some models)

The oven light is a standard 40-watt appliance bulb. It will come on when the oven door is open. It will not work during the Self-Cleaning cycle (on some models). On some models, when the oven door is closed, press OVEN LIGHT to turn it on or off.

Before replacing, make sure the oven and cooktop are cool and the control knobs are off.

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 and bulb cover by turning clockwise.
5. Plug in range or reconnect power.

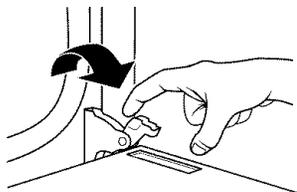


Oven Door

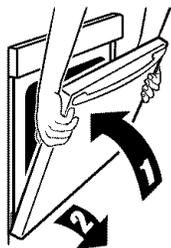
For normal range use, it is not suggested to remove the oven door. However, if removal is necessary, make sure the oven is off and cool. Then, follow these instructions. The oven door is heavy.

To Remove:

1. Open oven door all the way.
2. Flip up the hinge latch on each side.



3. Close the oven door as far as it will shut.
4. Lift the oven door while holding both sides.
Continue to push the oven door closed and pull it away from the oven door frame.



To Replace:

1. Insert both hanger arms into the door.



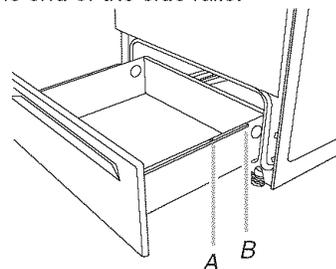
2. Open the oven door.
You should hear a “click” as the door is set into place.
3. Move the hinge levers back to the locked position. Check that the door is free to open and close. If it is not, repeat the removal and installation procedures.

Storage Drawer

The storage drawer can be removed. Before removing, make sure drawer is cool and empty.

To Remove:

1. Pull the storage drawer straight back past the drawer stop notch and the end of the side rails.

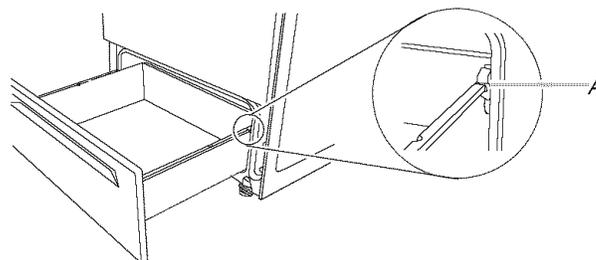


A. Drawer stop notch
B. End of side rail

2. Lift up the back of the drawer and pull the drawer out.

To Replace:

1. Lift up the back of the drawer and place it inside the range in its fully forward position.
2. Lift up the front of the drawer to a level position.
3. Slowly push the drawer into the range until the drawer side rails engage with the gap in the drawer glides.



A. Engage drawer glide.

4. Once the drawer is fully engaged on both sides, slide the drawer back into the closed position.

NOTE: When you are removing and replacing the storage drawer, a slight push may be needed to move the drawer stop notch past the drawer glides.

TROUBLESHOOTING

Try the solutions suggested here first in order to avoid the cost of an unnecessary service call.

Nothing will operate

- **Has a household fuse blown, or has a circuit breaker tripped?**
Replace the fuse or reset the circuit breaker. If the problem continues, call an electrician.
-

Cooktop will not operate

- **Is the control knob set correctly?**
Push in knob before turning to a setting.
 - **On coil element models, is the element inserted properly?**
See “Coil Elements and Burner Bowls” section.
-

Excessive heat around cookware on cooktop

- **Is the cookware the proper size?**
Use cookware about the same size as the surface cooking area, element or surface burner. Cookware should not extend more than ½" (1.3 cm) outside the cooking area.
-

Hot Surface indicator light stays on

- **Does the Hot Surface indicator light stay on after control knob(s) have been turn off?**
See “Cooktop Controls” section.
-

Cooktop cooking results not what expected

- **Is the proper cookware being used?**
See “Cookware” section.
 - **Is the control knob set to the proper heat level?**
See “Cooktop Controls” section.
 - **Is the range level?**
Level the range. See the Installation Instructions.
 - **On coil element models, is the element inserted properly?**
See “Coil Elements and Burner Bowls” section.
-

Oven will not operate

- **Is the electronic oven control set correctly?** See “Electronic Oven Control” section.
 - **Is the Control Lockout set?** See “Control Lockout” section.
-

Oven temperature too high or too low

- **Does the oven temperature calibration need adjustment?**
See “Oven Temperature Control” section.
 - **On some models, does the cooling fan run during Bake, Broil or Clean?**
It is normal for the fan to automatically run when the oven is in use. This helps cool the electronic control.
-

Oven indicator lights flash

- **Do the OVEN HEATING indicator lights flash?**
See “Assistance or Service” section.
-

Display shows messages

- **Is the display showing a flashing time?**
There has been a power failure. Clear the display. See “Display” section. Reset the clock, if needed. See “Clock” section.
 - **Is the display showing a letter followed by a number?**
Press CANCEL/OFF to clear the display. See “Display” section. If it reappears, call for service. See “Assistance or Service” section.
-

Oven cooking results not what expected

- **Is the range level?**
Level the range. See the Installation Instructions.
- **Is the proper temperature set?**
Double-check the recipe in a reliable cookbook.
- **Was the oven preheated?**
See “Baking and Roasting” section.
- **Is the proper bakeware being used?**
See “Bakeware” section.
- **Are the racks positioned properly?**
See “Positioning Racks and Bakeware” section.
- **Is there proper air circulation around bakeware?**
See “Positioning Racks and Bakeware” section.
- **Is the batter evenly distributed in the pan?**
Make sure batter is level in the pan.
- **Is the proper length of time being used?**
Adjust cooking time.
- **Has the oven door been opened while cooking?**
Oven peeking releases oven heat and can result in longer cooking times.
- **Are baked items too brown on the bottom?**
Move rack to higher position in the oven.
- **Are pie crust edges browning early?**
Use aluminum foil to cover the edge of the crust and/or reduce baking temperature.

ASSISTANCE OR SERVICE

Before calling for assistance or service, please check "Troubleshooting." It may save you the cost of a service call. If you still need help, follow the instructions below.

When calling, please know the purchase date and the complete model and serial number of your appliance. This information will help us to better respond to your request.

If You Need Replacement Parts

If you need to order replacement parts, we recommend that you only use factory specified replacement parts. Factory specified replacement parts will fit right and work right because they are made with the same precision used to build every new Amana® appliance.

To locate factory specified replacement parts in your area, call us or your nearest designated service center.

For assistance, installation or service call Amana® Appliances toll free: **1-800-843-0304**.

Our consultants provide assistance with:

- Features and specifications on our full line of appliances.
- Installation information.
- Use and maintenance procedures.
- Accessory and repair parts sales.
- Specialized customer assistance (Spanish speaking, hearing impaired, limited vision, etc.).
- Referrals to local dealers, repair parts distributors and service companies. Amana® designated service technicians are trained to fulfill the product warranty and provide after-warranty service, anywhere in the United States.

To locate the Amana® designated service company in your area, you can also look in your telephone directory Yellow Pages.

For further assistance

If you need further assistance, you can write to Amana® Appliances with any questions or concerns at:

Amana Customer Service
553 Benson Road
Benton Harbor, MI 49022-2692

Please include a daytime phone number in your correspondence.

Accessories

To order accessories, call toll free at **1-877-232-6771** and ask for the appropriate part number listed below or contact your authorized Amana® Appliances dealer.

Canning Unit Kit

(coil element models)

Order Part Number 242905

Cooktop Cleaner

(ceramic glass models)

Order Part Number 31464

Cooktop Protectant

Order Part Number 31463

Cooktop Care Kit

(includes cleaner, protectant, and applicator pads)

Order Part Number 31605

Cooktop Scraper

(ceramic glass models)

Order Part Number WA906B

Stainless Steel Cleaner and Polish

(stainless steel models)

Order Part Number 31462

All-Purpose Appliance Cleaner

Order Part Number 31682

Split-Rack with Removable Insert

Order Part Number 4396927

AMANA® MAJOR APPLIANCE WARRANTY

LIMITED WARRANTY

For one year from the date of purchase, when this major appliance is 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 parts and repair labor to correct defects in materials or workmanship. 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. Outside the 50 United States and Canada, this limited warranty does not apply. Proof of original purchase date is required to obtain service under this limited warranty.

ITEMS EXCLUDED FROM WARRANTY

This limited warranty does not cover:

1. Service calls to correct the installation of your major appliance, to instruct you on how to use your major appliance, to replace or repair house fuses, or to correct house wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs, air filters or water filters. Consumable parts are excluded from warranty coverage.
3. Repairs when your major appliance is used for other than normal, single-family household use or when it is used in a manner that is contrary to published user or operator instructions and/or installation instructions.
4. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of consumables or cleaning products not approved by Amana.
5. Cosmetic damage, including scratches, dents, chips or other damage to the finish of your major appliance, unless such damage results from defects in materials or workmanship and is reported to Amana within 30 days from the date of purchase.
6. Any food loss due to refrigerator or freezer product failures.
7. Costs associated with the removal from your home of your major appliance for repairs. This major appliance is designed to be repaired in the home and only in-home service is covered by this warranty.
8. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
9. Expenses for travel and transportation for product service if your major appliance is located in a remote area where service by an authorized Amana servicer is not available.
10. The removal and reinstallation of your major appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.
11. Major appliances with original model/serial numbers that have been removed, altered or cannot be easily determined. This warranty is void if the factory applied serial number has been altered or removed from your major appliance.

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

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. 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, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

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

If you need service, first see the "Troubleshooting" section of the Use & Care Guide. After checking "Troubleshooting," you may find additional help by checking the "Assistance or Service" section or by calling Amana. In the U.S.A., call **1-800-843-0304**. In Canada, call **1-800-807-6777**. 9/07

Keep this book and your sales slip together for future reference. You must provide proof of purchase or installation date for in-warranty service.

Write down the following information about your major appliance to better help you obtain assistance or service if you ever need it. You will need to know your complete model number and serial number. You can find this information on the model and serial number label located on the product.

Dealer name _____
Address _____
Phone number _____
Model number _____
Serial number _____
Purchase date _____

W10180837A

© 2008
All rights reserved.

*Registered Trademark/™Trademark of Maytag Corporation or its related companies.

1/08
Printed in U.S.A.