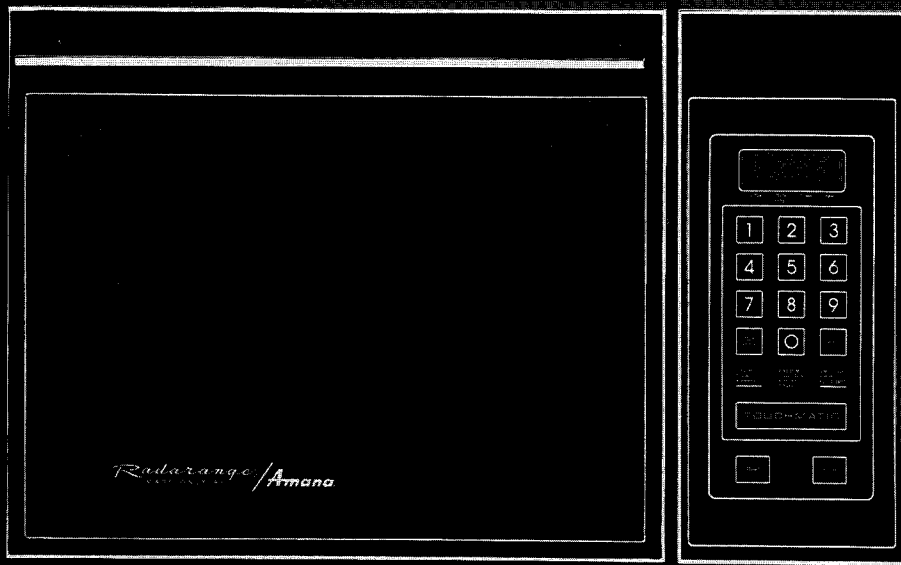


Model RRL-8XA * Use & Care Manual



Record in the space below the Model No., Manufacturing (Mfg) No. and Serial No. found on the nameplate of your oven. The nameplate is located either on the back of the oven or underneath the oven near the right front foot.

Model No. _____

Mfg. No. _____

Serial No. _____

Date Installed _____

Selling Dealer _____

Retain these numbers and your Sales Receipt for proof of purchase should warranty questions arise. Your Sales Receipt is required if warranty service is needed. Complete the registration card, which is included with the packet that comes with the oven. This must be filled out and returned to Amana Refrigeration, Inc., Amana, Iowa 52204. Federal regulations require that all manufacturers of microwave ovens have a permanent record of the owners of each oven.

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IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING — to reduce the risk of burns, electrical shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 3.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" below.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not use outdoors.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. See door cleaning instructions on page 6.
16. To reduce the risk of fire in the cavity:
 - a. Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c. If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.

SAVE THESE INSTRUCTIONS

UNPACKING THE OVEN

Inspect the oven for any damage such as damaged gasketing around the door, dents or holes in the screen of the door or dents inside the cavity.

Any dents or breakage should be reported to your Amana Dealer

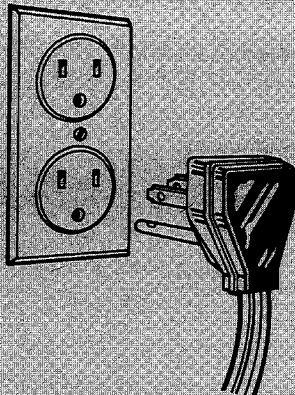
immediately. You will be told if the unit will operate correctly. After removing packing material and literature from around the glass oven tray, place tray in oven so the word "FRONT" is readable. Do not operate oven without glass tray in place.

OVEN PLACEMENT

Do not build the oven in with the sides, top or bottom airflow restricted. The oven must have sufficient airflow around it. If you wish to build in the Radarange Oven, use only model "MS" trim

kits that have a label on the bottom that identifies which Amana Radarange Model Series may be used. Trim Kits can be purchased from your Amana Dealer.

GROUNDING INSTRUCTIONS



INSURE PROPER GROUND
EXISTS BEFORE USING.

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded. Do not use a two-prong adaptor.

WARNING - Improper use of the grounding plug can result in a risk of electric shock.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the appliance. The extension cord must be rated at a minimum of 15 amps, 120 volts, and should be no more than six feet in length. This oven should be plugged into a separate 120 volt, 15 amp, 60 hertz circuit. When a microwave oven is on a circuit with other appliances, cooking times can be increased and fuses can be blown.

SAFETY INSTRUCTIONS

Read and follow these Rules for Safe Operation

This microwave oven is designed to be safe and reliable. As with all appliances, there are certain rules to follow. Make sure

everyone who cooks is familiar with this product's operation and with these precautions.

1. PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the: (a) Door (bent), (b) hinges and latches (broken or loosened), (c) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

2. PRECAUTIONS

- (a) Always press **RESET** before programming the oven.
- (b) **WARNING: Liquids** must be briskly stirred or poured (to mix in air) before being heated in a microwave oven. If air is not mixed into a liquid, the liquid can erupt in the oven or after removal from the oven.
- (c) **Eggs** must not be cooked or reheated in the shell, or with an unbroken yolk. To do so may result in a pressure build-up and eruption. Pierce the yolk with a fork or knife before cooking.
Do not reheat previously cooked eggs in the microwave oven unless finely chopped or scrambled.
- (d) **Home canning** must not be done in a microwave oven. Home canning is generally done with metal lids. Since metal lids reflect microwaves, you cannot be assured that the food product will be heated uniformly to 212°F or above, and there is a probability of deterioration of the food product. USDA extension specialists do not recommend home canning in microwave ovens.
- (e) **Deep fat frying** must not be done in any microwave oven. The fat could overheat and be hazardous to handle.
- (f) **WARNING: Do not heat sealed containers in any microwave oven. Containers with restricted openings** such as syrup bottles must not be used for cooking. Food or liquid could expand quickly and cause the container to break.
- (g) **Regular cooking thermometers** must not be used in a microwave oven. Most cooking thermometers contain mercury and may cause "arcing", malfunction, and/or damage to the oven.
- (h) **Plastic bags (and other air-tight containers)** must always be pierced or opened before heating in a microwave oven. This is needed to allow steam to escape during cooking.
- (i) **Metal or ceramic accessories** which have a special design to absorb microwave energy to provide heat ("active" accessories such as browning skillets) may be used with caution. Be sure to test any such device before use and to read carefully and follow manufacturer's instructions provided with the accessory. Any questions concerning these accessory products should be referred to the accessory manufacturer. Amana Refrigeration, Inc., does not endorse any brand of accessory. Remember that all microwave accessories are not "top quality"; some may not be suitable for microwave cooking. Caution must be used when purchasing microwave accessories.
- (j) **Newspapers** must never be used in a microwave oven since they may ignite.
- (k) **Paper towels** which contain nylon or other synthetic fibers woven through them must not be used because the heated synthetics could melt and cause the paper to ignite.

CHECKING OVEN OPERATION

A. Oven Light

The oven light will come on when the door is opened. It will also come on when the oven is operating.

B. Check operation of the interlock systems. The

START and **STOP** pads turn the oven on and off. Microwave energy is generated only when door is closed, cooking time or temperature has been set, and

START has been pressed. In addition, the oven has interlock switches to assure no microwave energy is generated when the door is open. To check or remove food before the cooking time has elapsed, you may

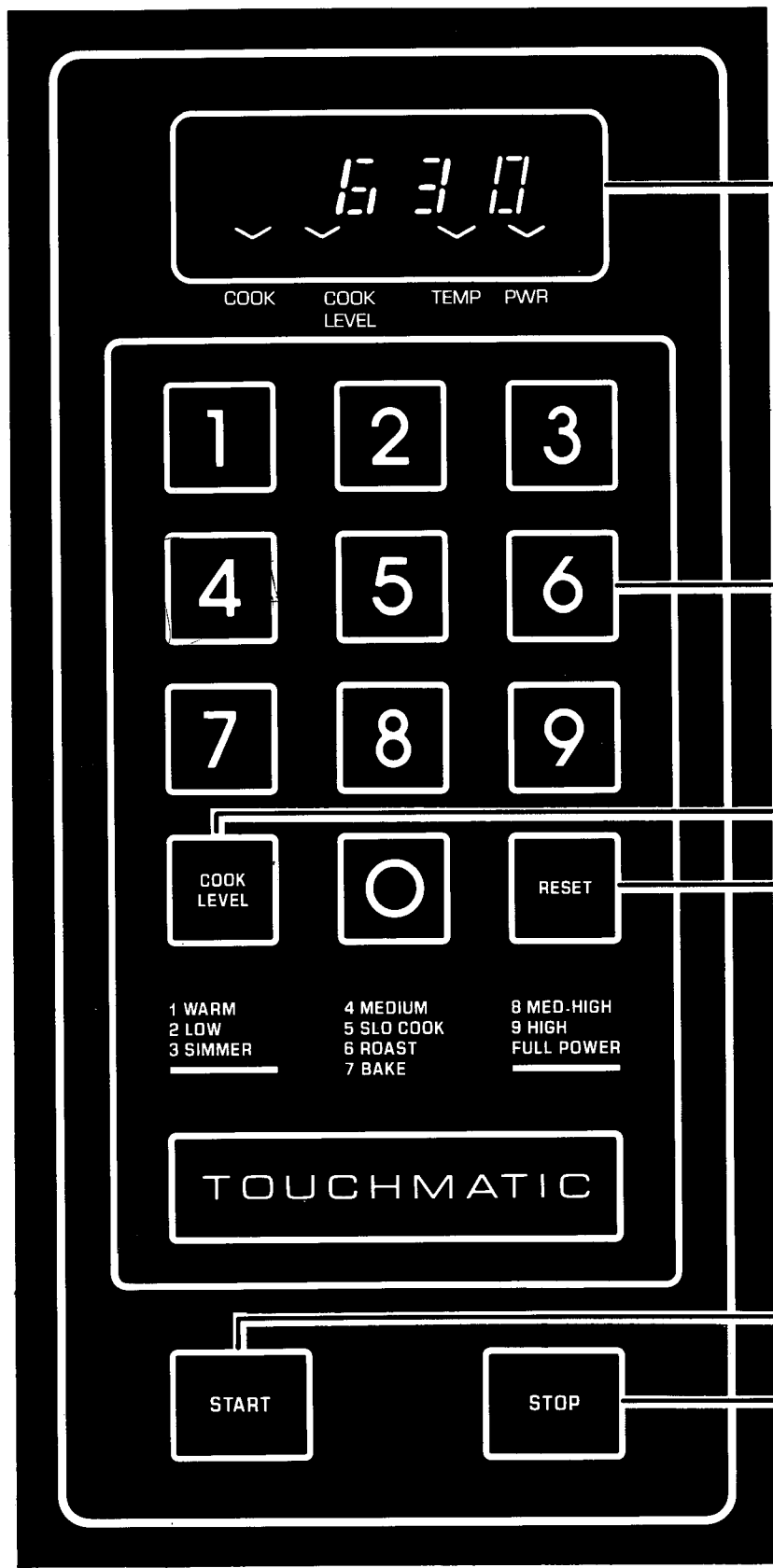
either press **STOP** or open the oven door to turn the oven off. Before the oven door opens, hidden interlock switches sense the motion of the door handle and automatically turn the oven off.

Here is how you may check the operation of **START**, **STOP** and the interlock switches:

1. Place a glass of water in oven and close oven door.
2. Press **RESET**.
3. Press **5**, then **0**.
4. Press **START**. The oven should operate and the oven light should come on.
5. Press **STOP**. The oven should shut off immediately and the sound of the motor should cease. The oven light should go out.
6. Open oven door fully. The oven light should come on when the door is opened.
7. Press **RESET**.

If under any of the preceding conditions the oven does not operate as stated do not use it. Call your Amana dealer or authorized service agency.

THE CONTROL PANEL



READOUT DISPLAY - Remains blank when oven is not in use. Shows remaining time when cooking by time. Shows set temperature and actual temperature when cooking to temperature.
Arrows light up to indicate cooking function.

NUMBERS - Press to program time, temperature or lower Cookmatic power levels. They're arranged just like a touch-type telephone.

COOK LEVEL - Press to program or change a Cookmatic power level.

RESET - Press to cancel all instructions. Always press this pad before programming oven.

START - Press to start oven operation.

STOP - Press to stop oven operation.

If You Make a Mistake:

- If the oven is not operating yet, press **RESET**. This cancels everything. You must program the oven again.
- If the oven is operating, press **STOP**, then press **RESET**. This cancels everything. You must program the oven again.

- | | | |
|----------|------------|-------------|
| 1 WARM | 4 MEDIUM | 8 MED. HIGH |
| 2 LOW | 5 SLO COOK | 9 HIGH |
| 3 SIMMER | 6 ROAST | FULL POWER |
| | 7 BAKE | |

TOUCHMATIC

START

STOP

USING THE AUTOMATIC TEMPERATURE CONTROL SYSTEM (CONTINUED)

3. Be sure probe is securely inserted into food. If the probe accidentally falls out of food, air temperature will be sensed and food will not cook properly. The probe could be become damaged. If the probe tends to slip out of the food, loop the cord and press it into the slit in the bead closest to the probe plug, as shown in the beverage drawing.
4. Do not use the probe with foil or other metal. Arcing could result. If the recipe suggests using foil, do not use the probe.
5. Do not operate the oven if probe is caught in oven door.
6. Do not use the automatic temperature control system when cooking different foods at the same time. Different foods cook at different speeds, and the results may be unsatisfactory.
7. Do not force the temperature probe into frozen food. The sensor tip could be damaged or the probe could break.
8. Use a hot pad to remove the hot temperature probe. During cooking, the probe could become hot enough to burn you.
9. Always remove the probe after use. Do not store it in the oven. Keep it in a place where it won't become lost or damaged.
10. Wash the probe with hot, soapy water. Do not immerse the probe plug in water nor wash in an automatic dishwasher. Rinse and dry probe thoroughly.

TRY IT! COOKING TO TEMPERATURE/ HOLDING AT TEMPERATURE

1. Read the rules and hints above.
2. Place food in oven. Insert temperature probe tip into food, insert probe plug into oven interior wall receptacle and close oven door. A display arrow will appear above "TEMP" if the probe is inserted properly. The actual temperature sensed by the probe appears at the far left of the display. The number "0" will appear if the food temperature is less than 110°F, the lowest temperature sensed by the probe. The number at the far right of the display shows the end temperature. Since temperature has not been set, the number "0" appears.

Note: The display will remain blank if the probe is not inserted securely or is damaged. Reinsert probe. If the problem persists, see page 8 for how to correct it.

3. Press **RESET**.
4. If less than full microwave power is desired, press number for Cookmatic Level, then press **COOK LEVEL**.

5. Press middle number of desired end temperature (to cook to 140°F, press **4**). This number will replace the "0" at the far right of the display. The probe temperature sensing range is from 110°F to 190°F.
6. Press **START** and the oven will operate. (You don't need to program cooking time, because the oven will cook by temperature only.) A display arrow appears above "PWR". The actual temperature number in the left side of the display will increase as food temperature rises.
7. When end temperature is reached and the displayed numbers match, the oven will stop, sound a tone and automatically 'hold' the food at the end temperature until you press **STOP**. During the hold period, the displayed numbers will fluctuate and the "PWR" arrow will flash as the food cools and is then reheated by microwave energy cycling on and off.

For: 110°F	Press 1	For: 140°F	Press 4	For: 170°F	Press 7
120°F	Press 2	150°F	Press 5	180°F	Press 8
130°F	Press 3	160°F	Press 6	190°F	Press 9

MAINTENANCE --- CLEANING THE OVEN

The Oven and Door Interior

If the inside walls, floor, door and splatter shield at the top of the oven become splattered, simply wipe them with a paper towel or clean mild detergent in warm water using a soft sponge or cloth. A cup of water can be boiled in the oven to loosen soil before cleaning. After boiling the water, allow the water vapor to settle on the oven walls and soften the soil for several minutes before you open the door.

Do not use an abrasive to clean the inside. It might damage the finish on stainless steel. Never pour water into the bottom of the oven.

To Clean The Glass Tray, lift up the tray and remove. Wash in warm detergent or in a dishwasher. Replace tray so the word "Front" is readable. Do not operate the oven without tray in position.

To Clean The Splatter Shield Inside Oven

The splatter shield keeps the top of the oven and antenna from getting dirty. Normally, a damp cloth will remove any splatter from the shield.

However, if you want to clean it more thoroughly, remove the splatter shield. Be careful not to bend the antenna when removing the splatter shield. The shield is secured by four screws in recessed wells in the front underside of the shield and four tabs which fit into slots in the back oven wall. Remove the four screws. Then carefully lower the shield and, clearing the antenna, pull the shield forward out of the back wall slots and out of the oven.

Wash the shield in hot soapy water. Do not wash in a dishwasher. Do not use harsh or abrasive cleansers.

MAINTENANCE --- CLEANING THE OVEN (CONTINUED)

When replacing, again be careful not to bend the antenna. Also be sure the splatter shield tabs fit snugly into the slots in the back of the oven before replacing the screws.

To check antenna operation, place a glass or cup of water in the unit, close the oven door and start the unit. A rotating shadow should be visible above the splatter shield.

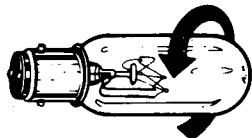
To Clean The Temperature Probe wash the metal probe in hot, soapy water. Do not immerse the probe or wires in water. Do not wash in a dishwasher.

To Clean The Oven Exterior, use a soft sponge or cloth dampened with mild sudsy water. Do not use abrasive cleaners.

To Clean The Discharge Air Vents

There will be a slight buildup of cooking vapors in the discharge vent in the upper right hand corner, above the control panel. This vent should be cleaned occasionally. Do not attempt to remove the front control; it is an integral part of the oven. Clean the air vent with a damp cloth.

HOW TO CHANGE THE OVEN LIGHT



To remove the bulb, Press in and turn counterclockwise.

The lightbulb for the inside of the oven can be changed only from the back. On the upper right hand side of the oven back is a metal plate with one screw. The lightbulb is located behind this plate.

Follow these steps to change the bulb:

(a) Unplug the oven from the electric outlet.

- (b) Facing the oven back, remove the screw, allowing the metal plate and light to swing outward.
- (c) Remove the bulb, being careful not to burn fingers or break the bulb. To remove the bulb press into socket and turn counterclockwise.
- (d) Replace the bulb with a 25-watt 25T8DC bayonet base bulb. To replace the bulb press into socket before turning clockwise.
- (e) Reposition the plate, being careful not to bend the hinge tabs.
- (f) Connect the oven to power outlet.

IF THE GLASS TRAY SHOULD BREAK

The glass oven tray must be in place when operating the oven. This allows the microwaves to be reflected up into the bottom of the food that is being cooked. The tray is a special type of glass and, if it

is accidentally broken, it must be replaced with the same type of glass tray from your Amana dealer.

BEFORE YOU CALL FOR SERVICE:

Be sure you have read and followed the operating instructions. Avoid unnecessary service calls for difficulties that are not the result of defective workmanship or materials. You will be charged for a servicer's travel expenses and labor, even though the product may be in warranty, if the difficulty is not caused by workmanship or materials, or if that item is considered customer replaceable.

The space-age, electronic control module used in this microwave oven is the finest in versatility, quality and reliability. In many cases, a customer call for module timer service is caused by conditions other than failure of the controls. That's why you should read the following before calling for service.

- Electrical storm
- Momentary power interruption
- Drills, vacuum cleaners, welders, light dimmers on same circuit.
- Static discharge to touch pads
- Extraneous signals: radio or TV transmitting equipment

IF THE READOUT DISPLAY DOESN'T LIGHT UP, PLEASE CHECK:

- Is the oven plugged securely into the proper power outlet?
- Is a fuse blown or circuit breaker open?
- If the condition remains unchanged, perform the steps listed in box on the next page.

IF THE READOUT APPEARS WRONG:

- Did you remember to press **RESET** before programming the oven?
- Have you (or someone else) pressed the controls after cooking has started?
- If the condition remains unchanged, perform the steps listed in box on the next page.

IF THE CONTROL WILL NOT ACCEPT YOUR INSTRUCTIONS:

- For cooking to temperature, did the display light up when you connected the temperature probe? If not, check to see if the probe jack is securely inserted into the oven receptacle. (Review explanation, page 6.)
- For cooking by time, if the condition remains unchanged, perform the steps listed in the box on the next page.

IF ANOTHER FEATURE DOESN'T APPEAR TO BE OPERATING CORRECTLY:

- Have you followed the use and care instructions exactly? Review them to be sure.



Note: A Power Interruption Signal (dash lines) will appear in the display whenever the oven is initially plugged into an electrical outlet. The lines will also appear whenever electrical power to the oven has been interrupted and then restored. When you see these lines, simply press

RESET.

If you find that the readout display will not light up, appears incorrect or garbled, or that the control will not accept instructions, it could be for any of the following reasons: