

Amana[®]

Gas Cooktop Owner's Manual

AKO2000*

* Additional alphanumeric characters representing other models in series may follow each model number.

Please Read Manual Before Operating Cooktop

Installer

Leave this manual and other literature with customer for future use.

Customer

Keep these instructions for future reference. If appliance changes ownership, be sure this manual accompanies cooktop.



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Model Identification

Complete enclosed registration card and promptly return. If registration card is missing, call Consumer Affairs Department at 1-800-843-0304 inside U.S.A. 319-622-5511 outside U.S.A. When contacting Amana, provide product information located on rating plate. Rating plate is located on the oven frame. Record the following:

Model Number: _____
Manufacturing Number: _____
Serial or S/N Number: _____
Date of purchase: _____
Dealer's name and address: _____

Parts and Accessories

Purchase replacement parts and additional accessories (e.g., refrigerator shelves, dryer racks, or cooktop modules) over the phone. To order accessories for your Amana product, call 1-800-843-0304 inside U.S.A. or 319-622-5511 outside U.S.A.

Service

Keep a copy of sales receipt for future reference or in case warranty service is required. Any questions or to locate an authorized servicer, call 1-800-NAT-LSVC (1-800-628-5782) inside U.S.A. 319-622-5511 outside U.S.A. Warranty service must be performed by an authorized servicer. Amana, also recommends contacting an authorized servicer if service is required after warranty expires.

Asure™ Extended Service Plan

Amana offers long-term service protection for this new range. Asure™ Extended Service Plan is specially designed to supplement Amana's strong warranty. This plan covers parts, labor, and travel charges. Call 1-800-528-2682 for information.

Burner Ratings

- Burners using Natural Gas are rated at 8,000 BTU.
- Burners using LP Gas are rated at 7,000 BTU.

Important Safety Information

WARNING:

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

— **Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliances.**

— **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 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

This gas appliance contains or produces a chemical or chemicals which can cause death or serious illness and which are known to the state of California to cause cancer, birth defects or other reproductive harm. To reduce the risk from substances in the fuel or from fuel combustion make sure this appliance is installed, operated, and maintained according to the instructions in this booklet.



WARNING

To avoid risk of electrical shock, personal injury, or death, make sure your cooktop has been properly grounded and always disconnect it from main power supply before any servicing.



CAUTION

Do not obstruct the flow of combustion or ventilation air.



CAUTION

Do not store combustible gasoline or other combustible materials near cooktop.

Delayed Ignition

Burner should ignite within 4 seconds. If burner does not ignite within 4 seconds turn control knob to *OFF* position. Try burner again. If burner still does not ignite in 4 seconds, contact an authorized servicer.

Installation

Unpacking Cooktop

- Remove all packing and printed material packed with cooktop.
- Slide cooktop out of box.
- Remove grates, burner bowls, and pressure regulator from box.
- To avoid damage, do not slide cooktop across countertop.

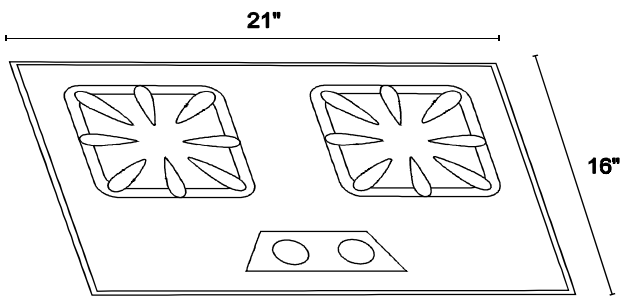
Countertop Cutout and Clearances

Prepare countertop opening according to dimensions shown in diagrams. Area beneath cooktop must be accessible for adjustment of gas pressure regulator unless pressure regulator is mounted in burner box.

Minimum Cabinet Requirements

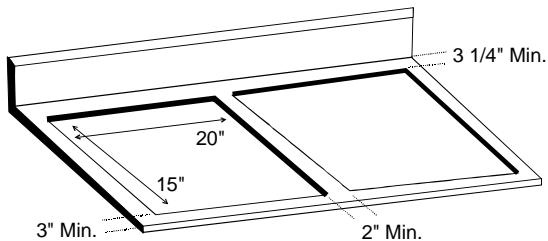
- 24 inches minimum width base cabinet is required for single cooktop installation.

Cooktop Dimensions



Cutout Dimensions

Use single cutout for 1 cooktop and 2 cutouts for cooktops placed side by side.

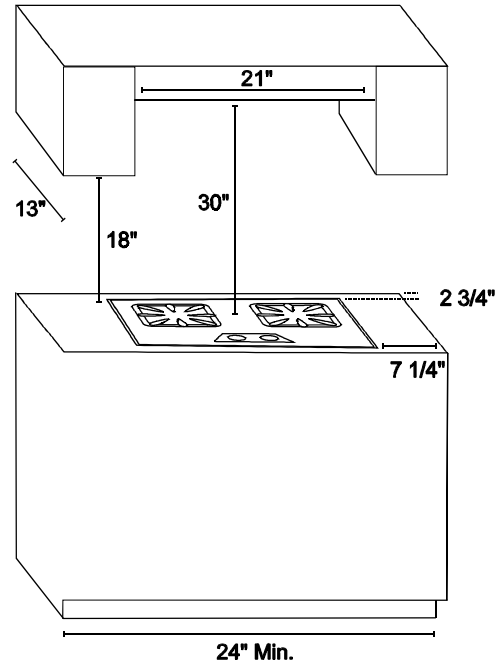


Minimum Requirement for Cooktops Placed Side-by-Side

- 2 inches must separate cutout of each cooktop.
- 1 inch must separate side flanges of each cooktop.

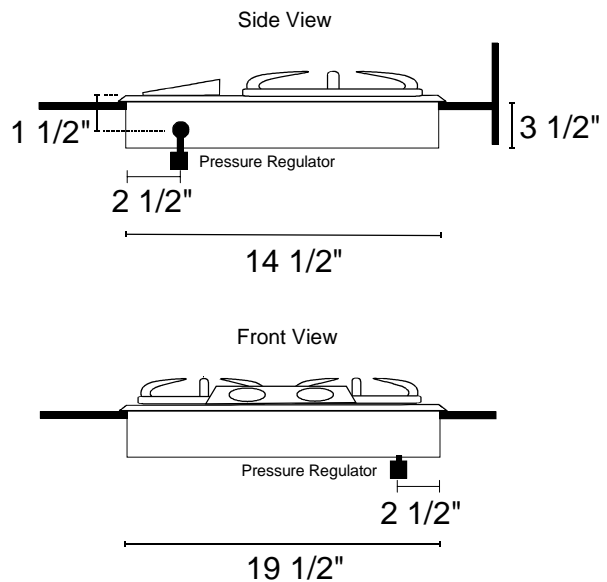
Minimum Clearances to Combustible Material

- 2 3/4 inches from cooktop to rear wall.
- 7 1/4 inches to side walls.



Minimum Requirement Below Cooktop

- 3 1/2 inches from top of countertop to drawer or other obstruction under countertop.
- With pressure regulator, allow for addition clearance below cooktop depending on gas connection.



Securing Cooktop to Countertop

1. Remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove 2 screws attaching burner top to burner box.
 - Located in burner cutout on outer edge.
3. Lift burner top off burner box.
4. Place burner box in cutout and locate holes in burner box flange.
5. Drill hole through holes in flange into countertop.
 - Use size $\frac{5}{64}$ inch drill bit.
 - Do not drill through countertop.
6. Insert screws provided into holes and tighten until cooktop is secure.

Removing and Reinstalling Cooktop

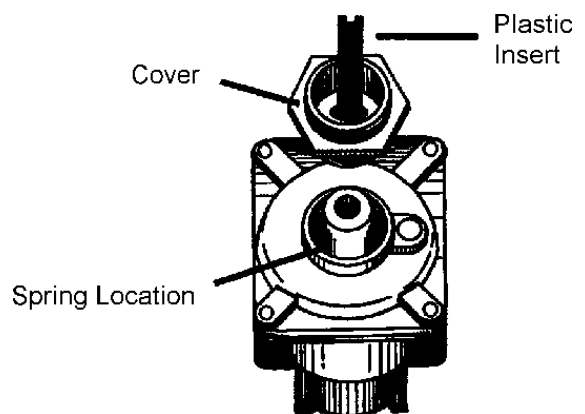
1. Close gas connection and disconnect gas supply.
 - See *Gas Supply Connection* section.
2. Disconnect electrical connection.
 - See *Electrical Installation* section.
3. Remove grates, burner bowls, and burner control knobs from cooktop.
4. Remove screws attaching burner top to burner box.
 - Located in burner cutout on outer edge.
5. Lift burner top off burner box.
6. Locate screws attaching burner box to countertop and remove.
7. Lift burner box out of cutout.
8. Reverse procedure to reinstall cooktop.

Converting for Use with Natural Gas or Propane Gas

This cooktop arrives from factory adjusted for use with natural gas. If using LP/propane gas is desired, cooktop must be converted.

Converting Type 1 Pressure Regulator for Use with LP/ Propane

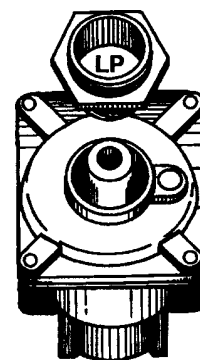
1. Remove pressure regulator cap using a wrench.
2. Remove plastic insert from pressure regulator cap.
 - Plastic insert fits tightly in cap.
3. Reverse plastic insert and carefully push plastic insert firmly into hole in pressure regulator cap.
 - Insert must show "LPG10" or "LP10".



4. Place pressure regulator cap on pressure regulator and tighten.
 - Insert should not disturb spring in body of regulator.

Converting Type 2 Pressure Regulator for Use with LP/Propane

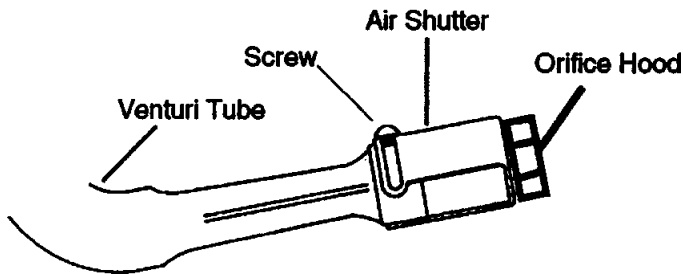
1. Remove pressure regulator cap using a wrench.
2. Reverse pressure regulator cap.
 - Insert must show "LP".



3. Place pressure regulator cap on pressure regulator and tighten.

Converting Burners for Use with LP\Propane

1. Remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove 2 screws attaching burner top to burner box.
 - Located in burner cutout on outer edge.
3. Remove screws attaching burners to support bracket.
4. Remove burners and venturi tubes.
5. Unscrew orifice hoods and remove.
 - Natural gas orifice hood has a larger hole than LP hood.
 - Natural Gas Orifice—#56
 - LP Orifice—#68
6. Remove manifold cover.
7. Locate orifice hoods (#68) wired to gas manifold and screw onto valve.
 - Do not overtighten orifice hoods.
8. Attach unused orifice hoods to manifold for future use.



9. Reassemble cooktop.

Converting Type 1 Pressure Regulator for Use with Natural Gas

1. Remove pressure regulator cap using a wrench.
2. Remove plastic insert from pressure regulator cap.
 - Plastic insert fits tightly in cap.
3. Reverse plastic insert and carefully push plastic insert firmly into hole in pressure regulator cap.
 - Insert must show "NAT" or be blank.
4. Place pressure regulator cap on pressure regulator and tighten.
 - Insert should not disturb spring in body of regulator.

Converting Type 2 Pressure Regulator for Use with Natural Gas

1. Remove pressure regulator cap using a wrench.
2. Reverse pressure regulator cap.
 - Insert shows "NAT" or is blank.
3. Place pressure regulator cap on pressure regulator and tighten.

Converting Burners for Use with Natural Gas

1. Remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove screws attaching burner top to burner box.
 - Located in burner cutout on outer edge.
3. Remove screws attaching burner to support bracket.
4. Remove burner and venturi tube.
5. Unscrew orifice hoods and remove.
 - Natural gas orifice hood has a larger hole than LP hood.
 - Natural Gas Orifice—#56
 - LP Orifice—#68
6. Remove manifold cover.
7. Locate orifice hoods (#56) wired to gas manifold and screw onto valve.
 - Do not over tighten orifice hoods.
8. Attach unused orifice hoods to manifold for future use.
9. Reassemble cooktop.

Gas Installation Requirements

Before connecting this appliance to gas piping system, confirm that installation meets requirements of local codes or, in absence of local codes, National Fuel Gas Code, ANSI Z223.1-Latest Edition.

Installation of appliances designed for manufactured (mobile) home installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 or, when such standard is not applicable the Standard for Manufactured Home Installation, ANSI A225.1/NFPA 501A-Latest Edition, with local codes, or the standard CAN/CSA-Z240MH, "Mobile Homes", and the local code where applicable.

In Canada, installation of this appliance is to be in accordance with CAN-B149.1 or B149.2 installation code for gas appliances.

When installed in mobile housing, installation is to be in accordance with CSA standard Z241.1 gas equipped mobile housing.

Gas Supply Pressure



CAUTION

To avoid property damage, maximum gas supply pressure must not exceed 14" WCP.

- The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psig (3.5kPa) (14" WCP).
- The appliance must be isolated from gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psig (3.5kPa) (14" WCP).
- Gas supply pressure for checking regulator setting must be at least 1" WCP above manifold pressure shown on rating label.

Manifold Connection

Pressure regulator and gas manifold must be connected to cooktop before connecting gas supply. Depending on installation requirements, install pressure regulator inside or outside of burner box. Gas supply may enter through bottom or right side of cooktop. If street ell or pressure regulator is attached directly to manifold, manifold must be removed from cooktop. See appropriate section that follows for connection procedure.

- A manual shutoff, not supplied with cooktop, must be installed in an accessible location outside of cooktop.
- Use joint compound that is resistant to action of propane gas on all male pipe threads.
- Use supplied pressure regulator only.

Pressure Regulator Connection

Pressure regulator has 2 ½-inch NPT inlets. Remove plug from bottom inlet of pressure regulator to create 90° connection. Remove plug from side inlet of pressure regulator to create a straight connection. Locate pressure regulator according to gas supply location.

- If gas supply is located on side of cooktop, screw pressure regulator onto side inlet of gas regulator.
- Do not over tighten regulator when attaching to gas manifold pipe or hardpipe. Overtightening may crack regulator.
- Support regulator when installing gas supply.

Manifold to Street Ell

A street ell is a 90° gas pipe fitting with a male NPT thread on one end and a female NPT thread on other end. To connect cooktop manifold to pressure regulator using street ell, remove gas manifold from cooktop. Street ell does not clear burner box when screwing onto manifold. When street ell is used, pressure regulator is attached outside bottom of burner box.

1. Place cooktop on work surface, and remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove 2 screws securing top to remove top.
3. Remove knockout in bottom of cooktop.
4. Remove manifold cover.
5. Remove 3 screws securing manifold to remove manifold.
 - 1 of 3 screws located in front of burner box.
6. Attach street ell to manifold.
7. Reassemble manifold and cooktop.
8. Attach pressure regulator to street ell through bottom of cooktop.

Manifold to Pressure Regulator

To connect cooktop manifold directly to pressure regulator, remove manifold from cooktop. Pressure regulator does not clear burner box when screwed onto manifold.

1. Place cooktop on work surface, and remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove 2 screws securing top to remove top.
3. Remove manifold cover.
4. Remove 3 screws securing manifold to remove manifold.
 - 1 of 3 screws located in front of burner box.
5. Attach pressure regulator to manifold.
6. Reassemble cooktop.

Manifold to Hardpipe

To install pressure regulator without removing manifold, attach ½ inch NPT female coupler and nipple to manifold. When hardpipe is used, pressure regulator is attached outside right side or bottom of burner box if 90° elbow is used.

1. Place cooktop on work surface, and remove grates, burner bowls, and burner control knobs from cooktop.
2. Remove 2 screws securing top and remove top.
3. Screw ½ inch NPT female coupler onto manifold.
 - Use joint compound that is resistant to action of propane gas on all male pipe threads.
4. Screw ½ inch NPT nipple into coupler.
 - Threads of nipple must extend beyond burner box.
5. Attach regulator to ½ inch NPT nipple.
6. Reassemble cooktop.

Gas Supply Connection

After street ell, pressure regulator, or hardpipe is attached to manifold, attach gas supply.

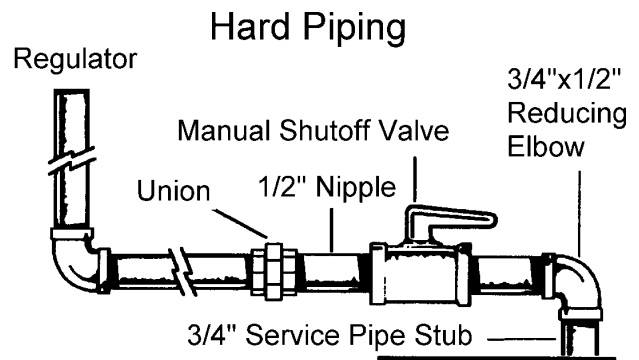


WARNING

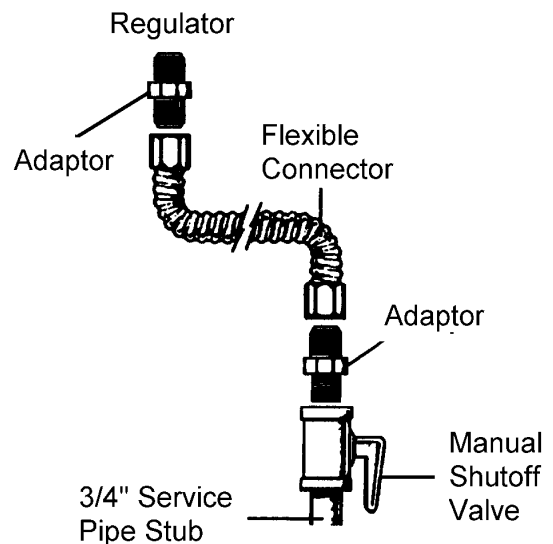
To avoid property damage or personal injury, only use a new flexible connector that is AGA or CGA design certified.

- Do not use an old connector.
- Do not reuse a connector after moving appliance.

- Connect gas supply to regulator using hard pipe or a flexible connector. Pressure regulator supplied with this appliance has a ½ inch NPT female connection. See figure below.



Flexible Connector



Operation

Testing for Gas Leaks

After final gas connection is made, turn on manual gas valve and test all connections in gas supply piping and cooktop for gas leaks.



WARNING

To avoid property damage or serious personal injury, never use a lighted match to test for gas leaks.

1. Place soap suds on connection.
 - Bubbles appear if leak is present.
2. If bubbles appear, shut off gas supply valve.
3. Tighten joint if leak is at factory fitting.
 - If leak is not at factory fitting, unscrew, apply more joint compound, and tighten to correct leak.
4. Retest connection for leak after tightening.
 - Retest any connections that were disturbed.

Electrical Installation Requirements

Installation of this product must conform with local codes or in the absence of local codes, with current Canadian Gas Installation Code CAN/CGA-B149.2. If an external electrical source is used when the appliance is installed, it must be electrically grounded in accordance with local codes or, in the absence of local codes, with the current National Electric Code ANSI NFPA 70, or CSA Standard C22.1, Canadian Electric Code, Part 1.

All electrical connections are to be made in accordance with CSA Standards Z240.6.1 electrical requirements for mobile homes.

Use a 120 volt, 60 hertz, 3-prong receptacle protected by a 15 amp circuit breaker or time delay fuse.

A qualified electrician should confirm the outlet is properly grounded. Cooktop includes 4 foot power cord attached to bottom of cooktop at back, left corner.

If a 2-prong outlet is encountered, cooktop owner must replace outlet before using cooktop. Do not cut off cord or remove grounding plug.

Operating Burners

1. Push and turn burner control knob to *LITE* position.
 - Burner sparks until gas ignites.
2. Turn burner control knob to desired setting.
3. Turn burner control knob to *OFF* position when finished.

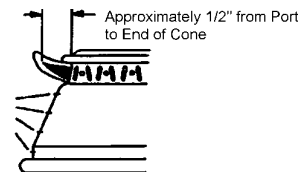
Delayed Ignition

Burner should ignite within 4 seconds. If burner does not ignite within 4 seconds turn control knob to *OFF* position. Try burner again. If burner still does not ignite in 4 seconds, contact an authorized servicer.

Adjusting Burner Flame

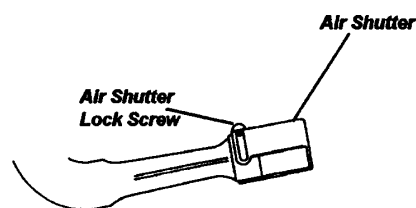
Properly adjusted burner flames are clean and blue with a distinct inner cone approximately 1/4" to 1/2" long.

- If burner flame is too large or small, See *Adjusting Burner Flame Size* section.
- If burner flame is blowing or noisy, reduce airflow to burner. See *Adjusting Airflow to Burner* section.
- If burner flame is soft and lazy, increase airflow to burner. See *Adjusting Airflow to Burner* section.



Adjusting Airflow to Burner

1. Remove control knobs, grates, and burner bowls.
2. Remove screws attaching burner top to burner box.
 - Screws located in burner cutout on outer edge.
3. Loosen air shutter lock screw.



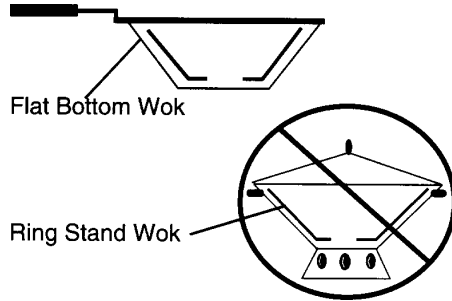
4. Open or close air shutter depending on appearance of burner flame.
5. After burner flame is properly adjusted, tighten air shutter lock screw.
6. Reassemble cooktop.

Adjusting Low Burner Flame Size

1. Push and turn burner control knob to *LITE* position.
 - Burner sparks until gas ignites.
2. Set flame to low position.
3. Remove burner control knob.
4. Hold valve stem and turn screw in center of burner control stem using small standard screwdriver until flame is adjusted.
5. Replace control knob.
6. Push and turn burner control to test burner flame.

Cooking Utensils

- Use proper pan size. Do not use utensils that overhang grate by more than 1 inch.
- Use care when using glazed cooking utensils. Some glass, earthenware, or other glazed utensils break due to sudden temperature changes.
- Select utensils without broken or loose handles. Handles should not be heavy enough to tilt pan.
- Select utensils with flat bottoms.
- Do not use a wok with a ring stand.



Testing Pan for Flatness

For best cooking results, use a pan with a flat bottom. Determine if pan has a flat bottom.

1. Rotate a ruler along bottom of pan. If pan is not flat, gaps between bottom of pan and edge of ruler occur.
2. A small groove or mark on a pan does not effect cooking times. However, if a pan has a gap, formed rings, or an uneven bottom, it does not cook efficiently and in some cases may not boil water.



Cleaning Cooktop, Burners, and Grates

Clean cooktop and grates using damp cloth and soapy water. If necessary, clean with nonabrasive cleaners or pads. Dry thoroughly when finished to avoid rusting.

- Do not use harsh powders, oven cleaners, scouring pads, or steel wool.

Cleaning Burner Ports

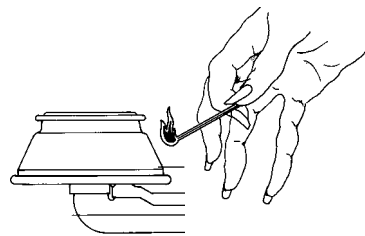
Use pipe cleaners to clean burner ports.

- Do not use tooth picks to clean burner ports. Tooth picks can break off and clog ports.

Lighting Burner without Electricity

If power is not available to light burner, light burner with a match.

1. Hold lighted match $\frac{1}{2}$ inch from burner head.
2. Push and turn burner control knob to *LITE* position.
 - Remove hand when burner ignites.



3. Turn burner control knob to *OFF* position when finished.

Utensil Material Characteristics		
Type	Temperature Response	Uses
Aluminum	Heats and Cools Quickly	Frying, Braising, Roasting
Cast Iron	Heats and Cools Quickly	Low Heat Cooking, Frying
Copper Tin Lined	Heats and Cools Quickly	Gourmet Cooking, Wine Sauces, Egg Dishes
Enamelware	Depends on Base Metal	Low Heat Cooking
Ceramic (Glass)	Heats and Cools Quickly	Low Heat Cooking
Stainless Steel	Heats and Cools at Moderate Rate	Soups, Sauces, Vegetables, General Cooking

Before You Call for Service

Review Owner's Manual before calling for service. If problems are not caused by defective workmanship or materials, or if part is customer replaceable, you could be charged for a service call though product is under warranty.

- If you hear gas but burner does not click, check electrical supply.
- If burner flame is large and yellow, check if cooktop needs conversion to LP or natural gas.
- If burner flame is weak or noisy, check *Adjusting Burner Flame* section of manual.

For questions call Consumer Affairs Department at 1-800-843-0304 inside U.S.A. 319-622-5511 outside U.S.A. To locate an authorized servicer, call 1-800-628-5782. Warranty service must be performed by an authorized servicer. Amana also recommends contacting an authorized servicer if service is required after warranty expires.

Warranty

Amana[®] COOKING PRODUCTS (excluding wall ovens)

FULL ONE YEAR WARRANTY LIMITED SECOND YEAR WARRANTY ON ALL PARTS LIMITED THIRD THRU FIFTH YEAR WARRANTY ON GLASS/CERAMIC TOP, ELECTRIC SURFACE ELEMENTS, OR GAS SURFACE BURNERS

FIRST YEAR

Amana Appliances will repair or replace, including related labor and travel, any part (F.O.B. Amana, Iowa) which proves to be defective as to workmanship or materials.

SECOND YEAR

Amana Appliances will provide replacement part, part only (F.O.B. Amana, Iowa), which proves defective as to workmanship or materials.

THIRD THRU FIFTH YEAR

Amana Appliances will provide replacement glass/ceramic cooktop, part only (F.O.B. Amana, Iowa), which proves defective as to workmanship or materials.

THIRD THRU FIFTH YEAR

Amana Appliances will provide replacement electric surface elements or gas surface burners, part only (F.O.B. Amana, Iowa), which proves defective as to workmanship or materials.

OWNER'S RESPONSIBILITIES:

- Provide any defective part to an authorized Amana servicer.
- Provide proof of purchase.
- Provide normal care and maintenance, including cleaning as instructed in owner's manual.
- Replace owner replaceable items where directions appear in the owner's manual.
- Make product accessible for service.
- Pay for premium service costs for service outside servicer's normal business hours.
- Pay for service calls related to product installation and customer education.
- Pay for servicer's labor and travel expenses under limited warranty provisions.

ITEMS NOT COVERED:

- Normal product maintenance and cleaning.
- Light bulbs.
- Damages which occur in shipment or installation.
- General rebuilding or refurbishing that is not a legitimate warranty repair.
- Failures caused by:
 - Unauthorized service.
 - Grease or other material buildup due to improper cleaning or maintenance.
 - Accidental or intentional damage.
 - Connection to an improper gas or power supply.
 - Acts of God.
 - Use of improper pans, containers, or accessories that cause damage to the product.

WARRANTY LIMITATIONS:

- Begins at date of original purchase.
- Product used on a commercial, rental, or leased basis are not covered by this warranty.
- Applies to product used within the United States or in Canada if product has appropriate agency listing when shipped from the factory.
- Service must be performed by an authorized Amana servicer.
- Adjustments covered during first year only.

WARRANTY IS VOID IF:

- Serial plate is defaced.
- Product is altered by user.
- Product is not installed or used according to manufacturer's instructions.

IN NO EVENT SHALL AMANA APPLIANCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES*

*This warranty gives you specific legal rights and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages so this exclusion may not apply to you.

For answers to questions regarding the above or to locate an authorized Amana servicer, contact:

Amana Appliances
2800 220th Trail
PO Box 8901
Amana, Iowa 52204-0001
USA
1-800-843-0304 inside U.S.A.
1-319-622-5511 outside U.S.A.