

Installation Instructions

36" Sealed Gas Cooktop

JGP636, JGP960

Questions? Call GE Answer Center at 800.626.2000 or visit our Website at: www.geappliances.com

CAUTION: Before you begin- read these instructions completely and carefully.

- **IMPORTANT-** Save these instructions for local inspector's use.
- **IMPORTANT-OBSERVE ALL GOVERNING CODES AND ORDINANCES.**
- **Note to Installer-** Be sure to leave these instructions with the Consumer.

- **Note to Consumer-** Keep these instructions for future reference.
- **Note-** This appliance must be properly grounded.
- **IMPORTANT:** Leak testing of the appliance shall be conducted according to the manufacturer's instructions.

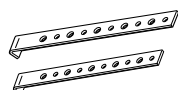
Parts Included



2 screws

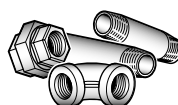


Foam
Tape



2 Hold
Down
Brackets

Materials Needed



Pipe Fittings

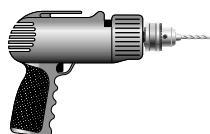


Joint Sealant



Shut Off
Valves

Tools You Will Need



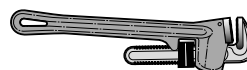
1/8" Drill Bit &
Electric or
Hand Drill



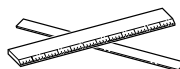
Phillips
Head
Screwdriver



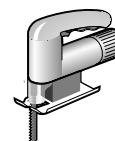
Pencil



Pipe Wrench



Ruler or
Straightedge



Saber Saw

Installation Instructions

IMPORTANT SAFETY INSTRUCTIONS

For Your Safety



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

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance!



WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance. Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Electrical Requirements

This Appliance must be electrically grounded. Check with your local codes which apply in your area. If no local codes apply, the National Electrical Code, ANSI/NFPA No. 70-Latest Edition must be followed. Write to:

National Fire Protection Association
Battery March Park
Quincy, MA 02269

Be sure the installation of this cooktop in a mobile home conforms with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280. If this standard does not apply, you must follow the standard for Manufactured Home Installations, ANSI A225. 1 and Manufactured Home Installations, Sites, and Communities and ANSI/NFPA 501A or with local codes. You can get a copy of the Federal Standard by Writing:

Office of Mobile Home Standards
HUD Building
451 7th Street, S.W.
Washington, D.C. 24010

This cooktop has been design certified by CSA International. You'll find safety precautions in your Use and Care Book. Read them carefully.

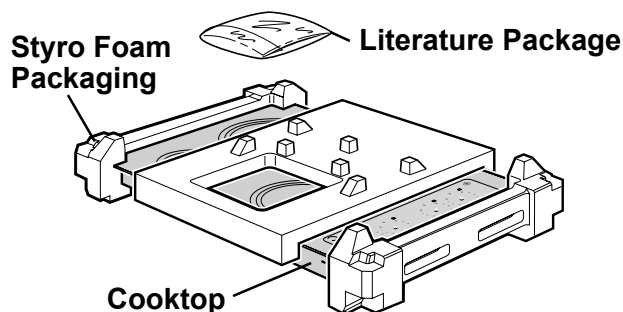
- Installation of this cooktop must conform with local codes or in the absence of local codes with the National Fuel Gas Code, ANSI Z223. 1-Latest edition.
- Be sure your cooktop is installed properly by a qualified installer or service technician.
- To eliminate reaching over surface burners, cabinet storage above burner should be avoided.
- Do not install the unit near an outside door or where a draft may affect its use.

Installation Instructions

Pre- Installation Checklist

 When preparing cooktop opening, make sure the inside of the cabinet and the cooktop do not interfere with each other. (See section on preparing the opening.)

 Remove packaging materials and literature package from the cooktop before beginning installation.



 Remove Installation Instruction from literature pack and read them carefully before you begin. Be sure to place all literature, Use and Care, Installations, etc. in a safe place for future reference.



 Make sure you have all the tools and materials you need before starting the installation of the cooktop.

 Your home must provide the adequate electrical service needed to safely and properly use your cooktop. (Refer to section on electrical requirements.)

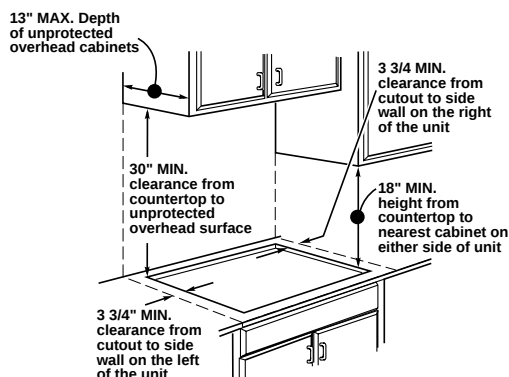
 When installing your cooktop in your home, make sure all local codes and ordinances are followed exactly as stated.

 Make sure the wall coverings, counter top and cabinets around the cooktop can withstand heat (up to 200°F) generated by the cooktop.

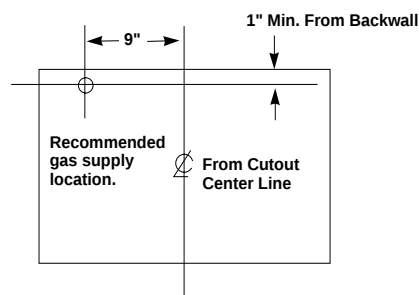
Installation Instructions

A PREPARING THE OPENING

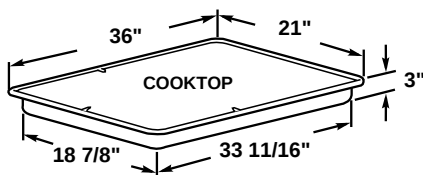
- A1** The following MINIMUM clearance dimensions must be maintained.



- A4** The recommended Gas Supply Location from the backwall.

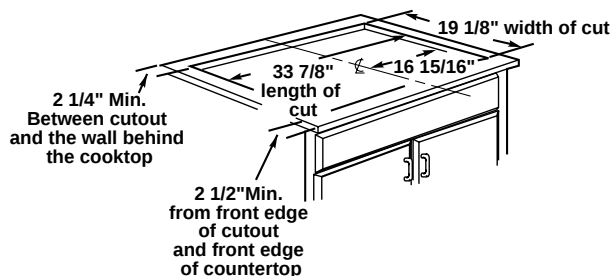


- A2** OVERALL COOKTOP DIMENSIONS

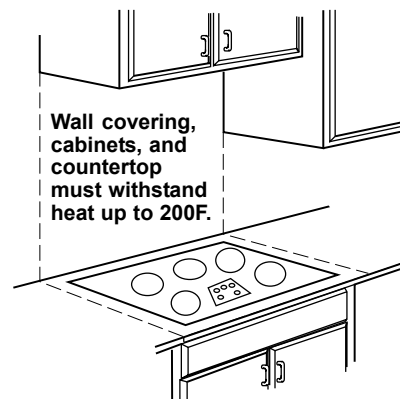


- A3** CUTOUT DIMENSIONS OF THE COUNTERTOP

To insure accuracy, it is best to make a template when cutting the opening in the counter.



- A5** Make sure the wall coverings, countertop and cabinets around the cooktop can withstand heat (up to 200°F) generated by cooktop.



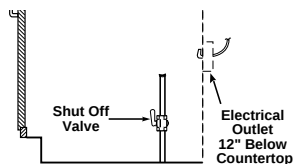
Installation Instructions

B Installing the Cooktop unit

B1 Locate the electrical outlet and the Gas Shut Off valve beneath the cabinet.

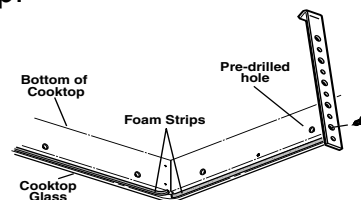
NEVER REUSE OLD CONNECTORS WHEN INSTALLING THIS UNIT.

Install a manual shutoff valve in the gas line in an easily accessible location outside the cooktop. Be sure you know how and where to shut off the gas supply to the cooktop. Install the electrical outlet 12" below the countertop.



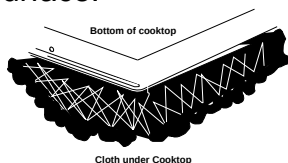
B5 Attach Brackets to Cooktop

Remove the screw the bottom of the the cooktop. Screw the hold down bracket to the side of the cooktop unit. Repeat for opposite side of cooktop.



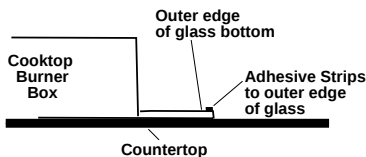
B2 Protect the Surface of the Cooktop

Place a towel or table cloth onto the counter top. Lay the cooktop upside down onto the protected surface.



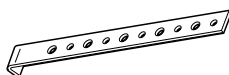
B3 Attach the Adhesive Strip (Glass Top Models Only)

Attach the adhesive strip around the maintop glass as close to the edge as possible.



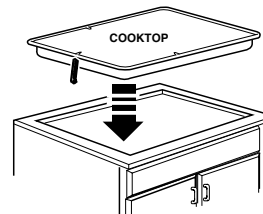
B4 Locate The Mounting Parts

Remove the hold down brackets from the literature package.



B6 Insert Cooktop Into Cutout

Insert the cooktop centered into the cutout opening. Make sure the front edge of the countertop is parallel to the cooktop. Make final check that all required clearances are met.



Once the unit is in place, screw the hold down bracket into the cabinet sides to secure the unit into place.

Installation Instructions

C Installing the Cooktop

C1 Provide Adequate Gas Supply

This cooktop is designed to operate on natural gas at 4" of water column pressure. It is shipped from the factory set for natural gas. The convertible pressure regulator supplied with the unit must be connected in series with the manifold of the cooktop and must remain in series with the supply line regardless of whether natural or L.P. gas is being used. **FOR PROPER OPERATION, THE MAXIMUM INLET PRESSURE TO THE REGULATOR MUST BE NO MORE THAN 14" OF WATER COLUMN PRESSURE.** For checking the regulator, the inlet pressure must be at least 1" (or 3.4 KPA) greater than the regulator output setting. If the regulator is set for 4" of water column pressure, the inlet pressure must be at least 5". If the regulator is set for 10", the inlet pressure must be at least 11". The gas supply line to the cooktop should be 1/2" or 3/4" pipe.

C2 Installing the Regulator

NEVER REUSE OLD CONNECTORS WHEN INSTALLING THIS COOKTOP.

WARNING: Never reuse old flexible connectors. The use of old flexible connectors can cause gas leaks and personal injury. Always use new flexible connectors when installing a gas appliance.

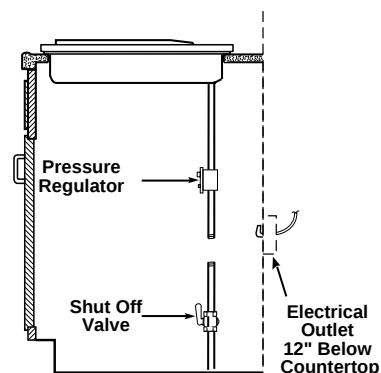
Screw a section of pipe onto each end of the pressure regulator.



To reduce the likelihood of gas leaks, apply teflon tape or a thread compound approved for use with LP or Natural gases to all threaded connections.

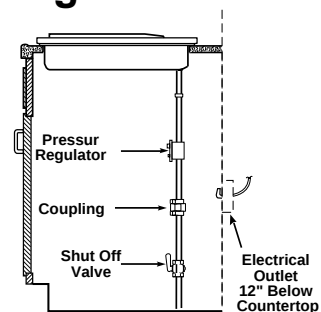
C3 Install the Regulator onto the burner box bottom.

Screw the regulator and pipe connection into the burner box bottom. Make sure the top of the regulator is facing towards the cabinet front, easily accessible through the cabinet doors.



C4 Complete the connection with a coupling.

Install a coupling between the regulator and the shutoff valve to complete the connection.



Installation Instructions

C Installing the Cooktop cont.

C5 Check for Leaks

After connecting the cooktop to gas, check system for leaks with a manometer. If a manometer is not available, turn the gas supply on to the cooktop and use a liquid leak detector at all joints and connections to check for leaks.

Tighten all connections if necessary to prevent gas leakage in the cooktop or supply line.

Check alignment of valves after connecting the cooktop to the gas supply to be sure the manifold pipe has not been moved. A misalignment could cause the valve knob stem to rub on the control panel, resulting in a gas leak at the valve.

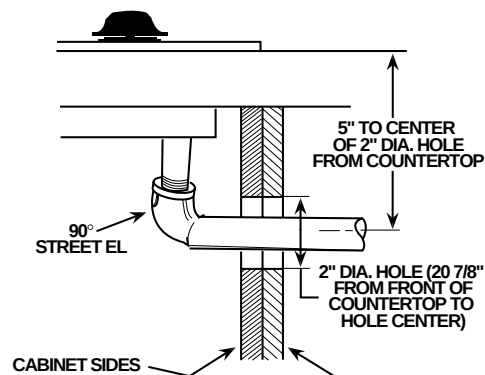
DO NOT USE OPEN FLAME TO CHECK FOR LEAKS!

Disconnect this cooktop and its individual shutoff valve from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2" psig.

Isolate the cooktop from the gas supply piping system by closing its individual shutoff valve during any pressure testing of the gas supply system at test pressures equal to or less than 1/2" psig.

C6 INSTALLATION OVER BUILT-IN OVEN

See built-in oven installation for complete installation instruction.



Installation Instructions

D Installation–Electrical Connections

- D1** Because of potential safety hazards under certain conditions we strongly recommend against the use of an extension cord. However, if you still elect to use an extension cord, it is absolutely necessary that it be a UL listed 3-wire grounding type appliance extension cord and that the current carrying rating of the cord in amperes be equivalent to or greater than the branch circuit rating. Such extension cords are obtainable through your local appliance dealer.

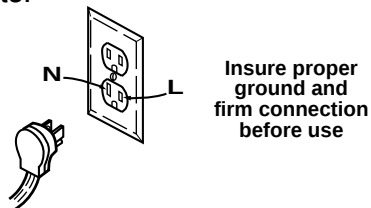
IMPORTANT: (Please read carefully) FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED.

- D3** Where a standard two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to have it replaced with a properly grounded three-prong wall receptacle.

Do not under any circumstances cut or remove grounding prong from the cooktop cord. Failure to provide proper polarization may create a hazardous condition.

- D2** An adequate electrical supply and outlet must be used to operate the electrical parts of your cooktop.

- The power cord of this appliance is equipped with a three-prong (grounding) plug which must be used with a properly grounded three-hole outlet with a standard 120 Volt, 60 cycle AC household current.
- If you do not have a three-hole grounded outlet, have a qualified electrician change your old one.
- A grounding adaptor will be needed to convert the old one until the outlet can be replaced. This method is only temporary, and a qualified electrician should test it to be sure it meets requirements.

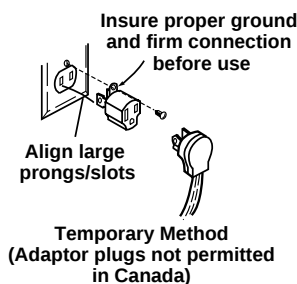


Installation Instructions

D Installation–Electrical Connections

D4 Usage situations where appliance power cord will be disconnected infrequent.

For 15 amp circuit only. Do not use an adaptor on a 20 amp circuit. Where local codes permit, a TEMPORARY CONNECTION may be made to a properly grounded two-prong wall receptacle by the use of a UL listed adaptor available at most hardware stores. The larger slot in the adaptor must be aligned with the large slot in the wall receptacle to provide proper polarity in the connection of the power cord.



CAUTION: Attaching the adaptor ground terminal to the wall receptacle cover screw does not ground the appliance unless the screw is metal, and not insulated, and the wall receptacle is grounded through the housewiring. The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

When disconnecting the power cord from the adaptor, always hold the adaptor with one hand. If this is not done the adaptor ground terminals is very likely to break with repeated use. Should this happen, DO NOT USE the appliance until a proper ground has again been established.

Usage situations where appliance power cord will be disconnected frequently.

Do not use an adaptor plug in these situations because disconnection of the power cord places undue strain on the adaptor and leads to eventual failure of the adaptor ground terminal. The customer should have the two-prong receptacle replaced with a three-prong (grounding) receptacle by a qualified electrician before using the appliance.

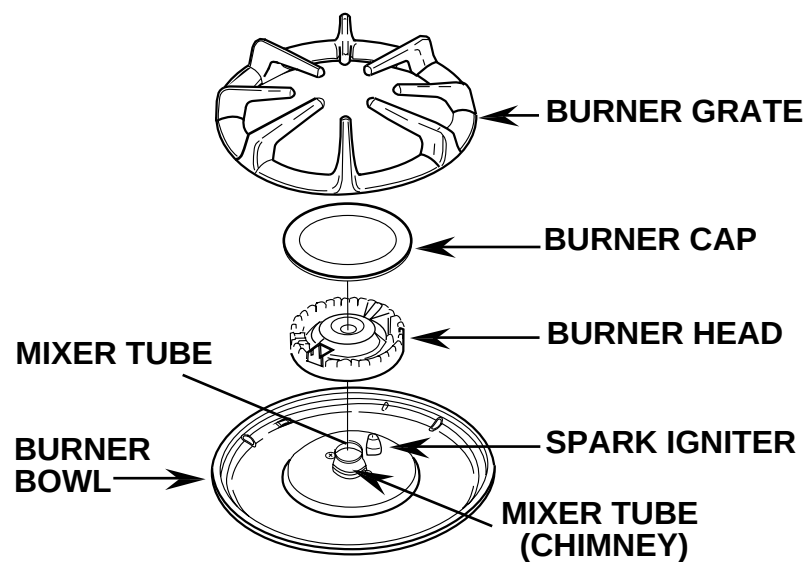
Installation Instructions

E Cooktop Burners

E1 Assembling the Cooktop Burners

The electrode of the spark igniter is exposed. Be careful not to push any cooktop controls while the top of the burner is removed. Do not remove the top or touch the electrode of any burner while another burner while another burner is turned on. Electrical shock might result.

- Place the burner head on the burner bowl, so that the location of the spark igniter matches up with the opening in the burner head.
- Position the burner cap on the burner head.
- Place the burner grate over the burner assembly and into the burner bowl. The bottoms of the burner grates have fingers that fit into the corresponding indentations in the burner bowl.



Installation Instructions

E Cooktop Burners

E2 Checking the Igniters

Operation of the electric igniters should be checked after the cooktop and supply line have been carefully checked for leaks and the cooktop has been connected to the electrical power.

- a. Push and turn a burner valve to the LITE position.
 - The burner valve should light when gas is available to the burner
 - Once the burner lights, it should be turned out of the LITE position.
- b. Try each valve separately until all burners have been checked.

E3 Burner Ignition

Cooktop Spark Ignition- When you turn the cooktop knob to LITE, the spark igniter makes a series of electric sparks (ticking sounds) which light the burner.

During a power failure the burners will not light automatically. In an emergency, a cooktop burner may be lit with a match by following the steps below.

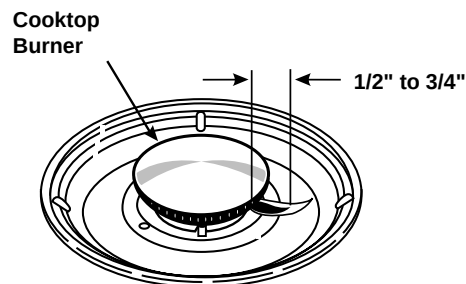
WARNING: Lighting gas burners with a match is dangerous. You should match light the cooktop burners only in an emergency.

- a. Light a match and hold the flame near the burner you want to light. Wooden matches work best.
- b. Push in and turn the control knob slowly. Be sure you are turning the correct knob for the burner you are lighting.

NOTE: If the burner does not light within five seconds, turn the knob off and wait one minute before trying again.

E4 The Burner Flames

Turn each burner on. Flames should be blue in color with no trace of yellow. The burner flames should not flutter or blow away from the burner. The inner cone of the flame should be between 1/2" to 3/4" long.



Burners should be checked frequently

WARNING: If you attempt to measure the inner cone of the flame, please use caution. Burns could result.

Installation Instructions



Operation Checklist



Double check to make sure everything in this guide has been completed. Rechecking steps will ensure safe use of the cooktop.



Recheck Steps:
Double check to make sure everything in this guide has been completed. Rechecking steps will ensure safe use of the cooktop.



Make sure all controls are left in the OFF position.



Make sure the flow of combustion and ventilation air to the cooktop is unobstructed.



The serial plate for your cooktop is located on the bottom of the burner box . In addition to the model and serial numbers, it tells you the ratings of the burners and the type of fuel and pressure the cooktop was adjusted for when it left the factory.



When ordering parts, always include the serial number, model number and a code letter to ensure proper replacement parts.

LP Conversion

F Making the LP Conversion

F1 Safety Information you should know

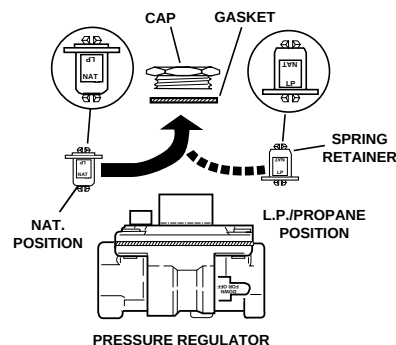
The pressure regulator and burner orifices are set for natural gas. To use Propane Gas, the regulator and burner orifices must be converted. The LP orifice spuds for the cooktop burners can be located in the literature package.

CAUTION: The cooktop, as shipped from the factory, is set for use with natural gas. If you wish to use your cooktop with Liquefied Petroleum (Propane) gas, you must first replace the orifices and convert the pressure regulator.

WARNING: This conversion must be performed by a qualified installer or gas supplier in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage. The qualified agency performing his work assumes responsibility for the conversion.

F2 To adjust your cooktop for use with LP gas, follow these instructions:

- Disconnect all electrical power, at the main circuit breaker or fuse box.
- Shut off the gas supply to the cooktop by closing the manual shut-off valve.
- Adjust the pressure regulator, by the following instructions:
 - Unscrew the cap.
 - Place your thumb against the flat side of the spring retainer and press down to remove the retainer.
 - Carefully look at the spring retainer to locate the NAT or LP position.



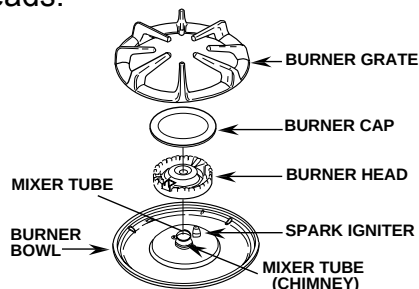
- Turn the spring retainer over so that LP is showing on the bottom.
- Snap the retainer back into position.

LP Conversion

F Making the LP Conversion cont.

F3 Changing the Cooktop Burner Orifices:

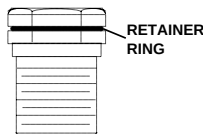
- a. Remove the top grates, burner caps, burner heads.



- b. Using a 7mm or 9/32" nut driver, remove the top burner orifices. These may be accessed through the burner air/gas mixer tube (Chimney).



NOTE: The orifices have a spring loaded retaining ring around the hex head to hold the orifice in the nut driver during installation and removal. A slight amount of force is required to push the nut driver down over the ring.

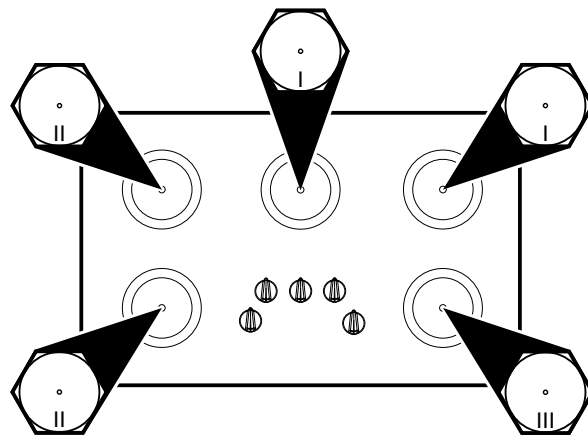


- c. Locate the LP/Propane orifices shipped inside the literature package. They will have a digit number and the letter "L" on the side. **(IMPORTANT: Save the orifices removed from the appliance for future use.)** Each orifice will show a series of engraved marks, (I, II, or III), located on the top.



These marks denote the precise location of each orifice to the cooktop burner.

Glass Cooktop



- d. Install the LP/Propane orifices in their precise locations as noted in the illustrations above.
- e. Replace the burner bases, heads, caps, and top grates. **(NOTE: When re-attaching the burner bases to glass top units, tighten screws to a maximum of 10in.-lbs torque.)**
- f. Save the orifices removed from the appliance for future use.

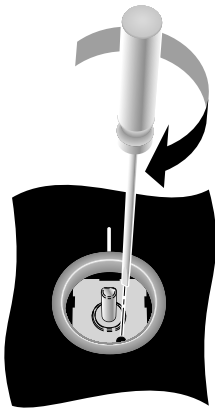
LP Conversion

F Making the LP Conversion cont.

F4 Adjusting the Burners Flames

Caution: The following adjustments must be made before turning on the burner. Failure to do so could result in serious injury. Be sure pressure regulator has been converted as described in step F2.

- a. Turn all burners full on and check the flames.
They should be blue in color with no trace of yellow. Foreign particles in the gas line may cause an orange flame at first, but this will soon disappear.
- b. To make adjustments, remove the control knobs. Insert a screwdriver through access hole in the valve switch. Engage adjustment screw in valve.



- If the flames were yellow or fluttered, open the valve more than the original setting.
 - If the flames blew away from the burner, close the valve more than the original setting.
- c. Make the adjustment, by slowly turning the screw until flame appearance is correct.

Adjust the low flame setting using the valve by-pass screw as follows:

Low setting adjustments must be made with two other burners in operation on a medium setting. This prevents the low flame from being set too low resulting in the flame being extinguished when other burners are turned on.

d. Testing flame stability:

Test 1 - Turn the knob from "HI" to "LOW" quickly. If the "LOW" flame goes out, increase the flame size and test again.

Test 2 - With the burner on the "LOW" setting, open and close the cabinet door under the cooktop. If the flame is extinguished by the air currents created by the door movement, increase the flame height and test again.

e. Flame recheck:

After the adjustment is made, turn all burners off. Ignite each burner individually. Observe the flame at the "HI" position. Rotate the valve to the "LO" position and be sure that the flame size decreases as the valve is rotated counterclockwise.

TO CONVERT THE COOKTOP BACK TO NATURAL GAS, REVERSE THE STEPS UNDER MAKING THE LP CONVERSION.

Once the conversion is complete and checked ok, fill out the LP sticker and include your name, organization, and date conversion was made. Apply the sticker near the cooktop gas inlet opening to alert others in the future that this appliance has been converted to LP gas. If converting back to natural gas from LP, please remove the sticker so others know the appliance is set to use natural gas.

[illegible]