Liquid Petroleum (L.P.) Conversion for Gas Cooktops

KITCHENAID
KCGS350ES
KCGS356ES
KCGS550ES
KCGS556ES
KCGS950ES
KCGS956ES

MAYTAG
MGC7430DE
MGC7430DS
MGC7536DE
MGC7536DS
MGC9530DS
MGC9536DS

WHIRLPOOL
WCG51US0DB
WCG51US0DS
WCG51US0DW
WCG51US6DB
WCG51US6DS
WCG51US6DW
WCG75US0DB
WCG75US0DS
WCG97US0DS
WCG97US6DS
FORWARD

This Gas Cooktop Job Aid, "Liquid Petroleum (L.P.) Conversion for Gas Cooktops" (Part No. ), provides the In-Home Service Professional with information on converting gas cooktops with dual and triple design burners. For specific operating information on the model being serviced, refer to the “Use and Care Guide” provided with the cooktop.

GOALS AND OBJECTIVES

The goal of this Job Aid is to provide information that will enable the In-Home Service Professional to properly convert natural gas cooktops to Liquid Petroleum gas.

The objectives of this Job Aid are to:

• Understand and follow proper safety precautions.
• Successfully convert this cooktop from Natural to L.P. gas
• Successfully return the cooktop to its proper operational status.

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Section 1: COOKTOP SAFETY

This section provides general safety information for working around gas and procedures to follow for safe operation.

- Cooktop Safety
- Gas Supply Requirements

Complete Service Video - Click on Icon
COOKTOP SAFETY

Your safety and the safety of others are very important.

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

This is the safety alert symbol.
This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word “DANGER” or “WARNING.”
These words mean:

**DANGER**
You can be killed or seriously injured if you don’t immediately follow instructions.

**WARNING**
You can be killed or seriously injured if you don’t follow instructions.

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

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

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

– **WHAT TO DO IF YOU SMELL GAS:**
  ● Do not try to light any appliance.
  ● Do not touch any electrical switch.
  ● Do not use any phone in your building.
  ● Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
  ● If you cannot reach your gas supplier, call the fire department.

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

**WARNING:** Gas leaks cannot always be detected by smell. Gas suppliers recommend that you use a gas detector approved by UL or CSA.
For more information, contact your gas supplier.
If a gas leak is detected, follow the “What to do if you smell gas” instructions.

**IMPORTANT:** Do not install a ventilation system that blows air downward toward this gas cooking appliance. This type of ventilation system may cause ignition and combustion problems with this gas cooking appliance resulting in personal injury or unintended operation.
Gas Supply Requirements

**WARNING**

Explosion Hazard
Use a new CSA International approved gas supply line.
Install a shut-off valve.
Securely tighten all gas connections.
If connected to LP, have a qualified person make sure gas pressure does not exceed 14" (36 cm) water column.
Examples of a qualified person include:
licensed heating personnel,
authorized gas company personnel, and
authorized service personnel.
Failure to do so can result in death, explosion, or fire.

Observe all governing codes and ordinances.

**IMPORTANT:** This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 - latest edition or CAN/CGA B149 - latest edition.

**IMPORTANT:** Leak testing of the cooktop must be conducted according to the manufacturer’s instructions.

**Type of Gas**

**Natural Gas:**
This cooktop is design-certified by CSA International for use with Natural gas or, after proper conversion, for use with LP gas.

- This cooktop is factory set for use with Natural gas. If converting to LP gas, see the “LP Gas Conversion” instructions provided in the package containing literature.
  The model/serial rating plate located on the underside of the cooktop base has information on the types of gas that can be used. If the types of gas listed do not include the type of gas available, check with the local gas supplier.

**LP Gas Conversion:**
Conversion must be done by a qualified service technician.
No attempt shall be made to convert the cooktop from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. See the Gas Conversion instructions provided in the package containing literature.
Section 2: Gas Conversion

This section provides the procedure for converting a natural gas range to LP gas operation.

- Tools Required
- Converting the gas regulator
- Changing the cooktop burner Orifices
- Removing and replacing the cooktop
- Adjusting the gas valves for L.P.
  - Single Valve
  - Dual Gas Valves
- Adjusting the burner flame
- Notes
Tools Required

LP Gas Conversion Instructions (supplied)
Gas Regulator (supplied)
LP Gas Orifices (supplied)
Phillips screwdriver
Torx T-10 screwdriver
7mm nutdriver
3/32” (#0 [2.0 mm) flat-blade screwdriver
Wrench/Channel Locks
Converting the Gas Regulator

The gas regulator is supplied for use with Natural gas. Use the Wrench/Channel Locks to remove the regulator access cap.

Unsnap and remove the access cap insert. Turn the insert over to the L.P. position shown and snap back into the access cap.
Changing the Burner Orifices

Each burner orifice will be color coordinated for all burners.

LP orifice spud card is also color coordinated for each burner.

Remove grates, burner caps and burners from the cooktop
Use 7 mm nutdriver to loosen and remove the orifice spud(s)
Replace the natural orifice spud with correct LP orifice spud (color coordinated) from orifice spud card

Note: Convert one burner at a time to eliminate incorrectly placed LP spuds
Removing the Cooktop

Note: The cooktop needs to be removed during the conversion process because there is a dual gas valve (at least one on every cooktop) that needs to be adjusted during the conversion. The two adjustment screws on the dual valve are NOT accessible with the cooktop in place.

Remove all burner cap mounting screws from all burner locations.

The front section of the burner box is “taped” to the underside of the cooktop, which makes the cooktop difficult to remove. Release one mounting screw from both sides of the Burner Box front, and remove both the cooktop and burner box front together.

During re-assembly it will be easier to separate the cooktop and the front section of the burner box- it will be easier to do this when the cooktop is removed from the burner box. For reassembly slide the burner box front so that the tab slides into the tab retainer and replace the 2 mounting screws.

Position cooktop so burner valves, burners and igniters fit in place.
GAS CONVERSION

Adjusting the Gas Valves for L.P. Gas Operation

**Single Valve:**

**NOTE:** The single valves are accessible with the cooktop in place as shown.

Use the 3/32” (#0 [2.0 mm]) flat-blade screwdriver to adjust all single valves.

Insert the screwdriver into the valve shaft and completely tighten the adjustment screw for LP gas.

**FOR NATURAL GAS TIGHTEN THE ADJUSTMENT SCREW TO REDUCE FLAME HEIGHT. LOOSEN THE SCREW TO INCREASE THE FLAME HEIGHT.**

**Dual Gas Valves:**

The cooktop needs to be removed to gain access to the Dual Vales(s) adjustment screws. Because of the Knob collar (shown in previous picture) there is not enough space to drop a straight blade screwdriver down to the adjustment screws.

With the cooktop removed use a straight blade screwdriver to adjust the simmer bypass screw and the main bypass screw.

A. Inner flame adjustment screw
B. Outer flame adjustment screw

Completely tighten the adjustment screw for LP gas.

**FOR NATURAL GAS TIGHTEN THE ADJUSTMENT SCREW TO REDUCE FLAME HEIGHT. LOOSEN THE SCREW TO INCREASE THE FLAME HEIGHT.**
PRODUCT SPECIFICATIONS &
WARRANTY INFORMATION SOURCES

IN THE UNITED STATES:
FOR PRODUCT SPECIFICATIONS AND WARRANTY INFORMATION CALL:
   FOR WHIRLPOOL PRODUCTS: 1-800-253-1301
   FOR KITCHENAID PRODUCTS: 1-800-422-1230

FOR TECHNICAL ASSISTANCE WHILE AT THE CUSTOMER’S HOME CALL:
   THE TECHNICAL ASSISTANCE LINE: 1-800-832-7174

HAVE YOUR STORE NUMBER READY TO IDENTIFY YOU AS AN
AUTHORIZED IN-HOME SERVICE PROFESSIONAL

FOR LITERATURE ORDERS (CUSTOMER EXPERIENCE CENTER):
   PHONE: 1-800-253-1301

FOR TECHNICAL INFORMATION AND SERVICE POINTERS:
   www.servicematters.com

IN CANADA:
FOR PRODUCT SPECIFICATIONS AND WARRANTY INFORMATION CALL
   1-800-461-5681

FOR TECHNICAL ASSISTANCE WHILE AT THE CUSTOMER’S HOME CALL:
   THE TECHNICAL ASSISTANCE LINE: 1-800-488-4791

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