

# Installation Instructions for 49573A L.P. (Propane and Butane) Gas Conversion Kit

## Converting 10,500 BTU/hr Gas Burners from Natural Gas to Liquefied Petroleum (Bottled Gas)

Parts included in Kit:

- 1 Instruction Sheet
- 1 Blocking Pin
- 1 Orifice, Burner-Butane No. 64
- 1 Orifice, Burner-Propane No. 62
- 1 Label, Rating Plate Conversion (English)
- 1 Label, Rating Plate Conversion (French)
- 1 Label, Conversion Record (English)
- 1 Label, Conversion Record (French)
- 1 Label, Burner Baseplate (English/French )

**NOTE:** This instruction sheet contains information for converting two different design gas valves. Read instructions thoroughly and follow steps.

**Warning:** This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. The information in these instructions must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury, or death. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with this kit.

**NOTE:** A qualified service technician is any person or representative of a company who is experienced or trained in servicing gas equipment and is familiar with necessary precautions.

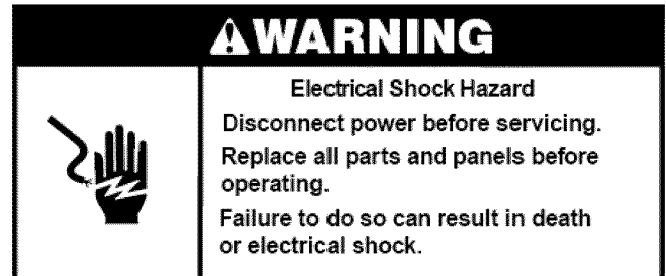
### Canada Only

THIS CONVERSION KIT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROVINCIAL AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE *CAN-B49.1 AND CAN1-B149.2 INSTALLATION CODE.*

**NOTE:** Read these instructions before proceeding.

**IMPORTANT:** The LP Conversion Kit you received is an approved kit for converting your gas dryer from natural to LP propane or butane gas. The kit no. shown on the Burner Data Label located on the Burner Base may not match the kit you receive due to kit consolidation.

This dryer has been manufactured for use with Natural (city) gas. Installation of this conversion kit converts the dryer for use with L.P. gas with manifold pressure of 10" water column and supply pressure between 8" and 13" water column. If this dryer is converted for use with L.P. gas by means of this kit, the input rating will be 10,500 BTU's per hour, for altitudes up to 8,000 feet. For installations above 10,000 feet, contact a qualified service agency



**Note:** In certain communities, burner adaptations, which are made in the user's home, are subject to local regulations.

### GAINING ACCESS TO BURNER ASSEMBLY

1. Unplug dryer or disconnect power.
2. Fill out information on conversion decal and apply in a conspicuous location adjacent to model and serial tag located in the door well.
3. Loosen the screws that hold the console in place and tilt console assembly down.
4. Turn off gas supply using the shut-off valve that supplies the dryer. If your dryer has the manual shut-off valve located at the burner assembly, you can shut the gas off at this shut-off valve.
5. Disconnect gas supply either at the end of the flexible gas supply line or if your dryer has the manual gas shut-off valve, loosen union nut and disconnect.
6. Remove front panel.
7. Disconnect the harness lead wires from the burner valve and main harness wire connector from ignitor lead. Remove the screws securing burner assembly to dryer. Reach in and remove the sensor control lead wires located on the top of the burner tube.

**IMPORTANT:** Ignitor is fragile. Care should be used when removing the burner assembly so as not to bump the ceramic ignitor (located next to burner flame spreader) as it can be broken or cracked by impact.

8. Remove the burner assembly.

## CHANGING THE ORIFICE

- Remove the burner tube assembly by removing the screws that hold it to the base and bracket assembly.

Care should be used when removing the burner assembly so as not to bump the ceramic ignitor (located next to burner flame spreader) as it can be broken or cracked by impact.

**NOTE:** The ignitor is fragile.

- Remove the burner orifice from the valve and replace it with the proper orifice furnished in this kit. Orifice number is stamped on one edge of the hex head of orifice. Securely tighten. See *Figure 1*.

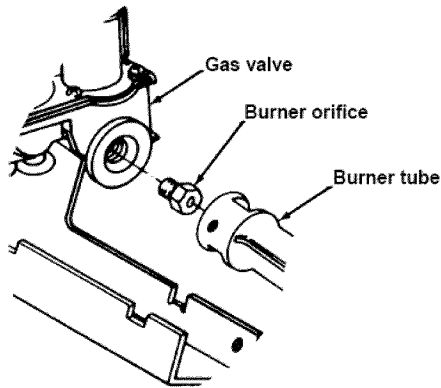


Figure 1

Use No. 347744 Orifice for Butane gas No. 64  
Use 347743 Orifice for Propane gas No. 62.

- Put the burner tube back on the burner assembly. Securely tighten the two (2) mounting screws.
- Before proceeding, you must first determine which gas valve style is on the dryer. Refer to *Figure 2 - Style "A"* and "B".

### LEAK LIMITER DEVICE

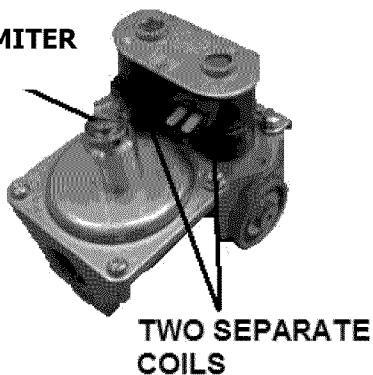


Figure 2 - STYLE "A"

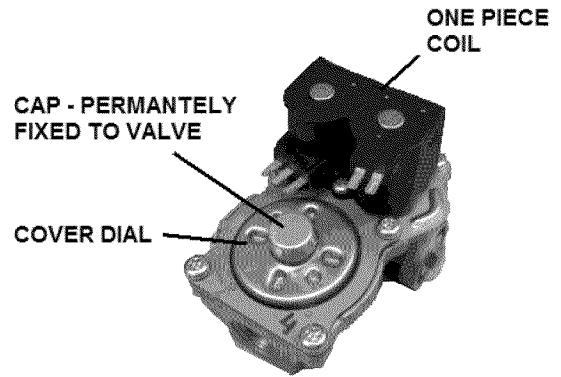


Figure 2- STYLE "B"

**NOTE: IF YOUR GAS DRYER HAS STYLE "A" FOLLOW STEPS 13 TO 15. FOR STYLE "B", SKIP TO STEPS 16 TO 19.**

### STYLE A GAS VALVE CONVERSION

- Remove the regulator vent cap (leak limiting device) from the pressure regulator. See *Figure 3*.

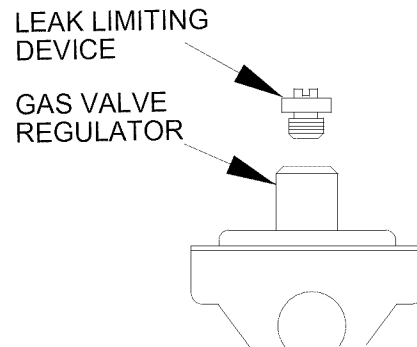


Figure 3

- Install the new blocking pin finger-tight. Do not tighten more than 1/8 turn to seal it. See *Figure 4*.

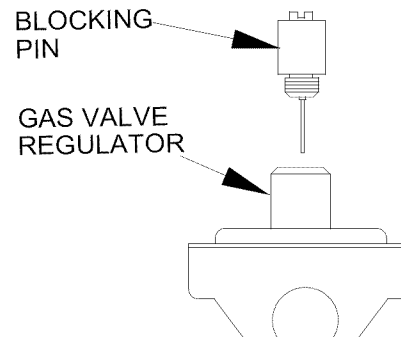


Figure 4

- Apply English or French conversion decal on top of the burner data decal located on the burner baseplate. Proceed to step 20.

## STYLE B GAS VALVE CONVERSION

16. Observe the cover dial settings indicated as NG (Natural gas) and LPG (Liquefied Propane gas) along with the gas type indicator. See *Figure 5*.

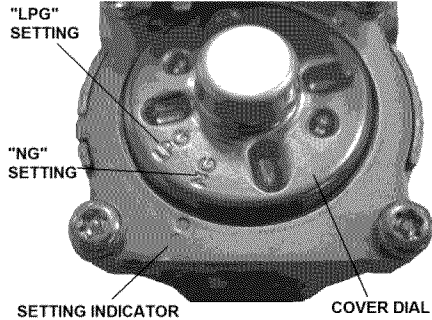


Figure 5

17. Position a pair of bend pliers into the slots of the cover dial. See *Figure 6*.

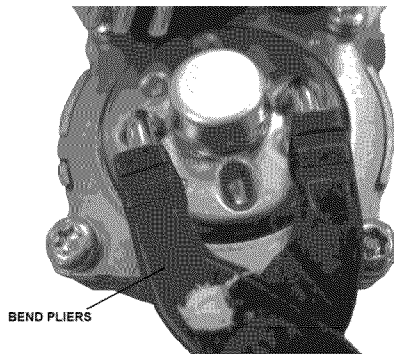


Figure 6

18. Rotate cover dial 25 degrees counter clockwise lining up "LPG" marking with the indicator on the gas valve. See *Figure 7*.

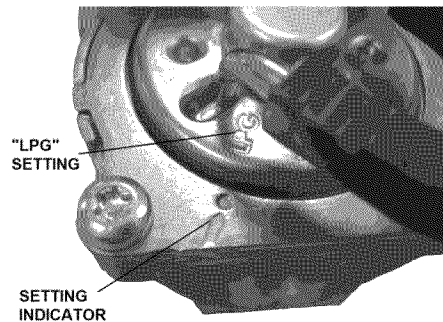


Figure 7

19. Apply English or French conversion label on top of the burner data decal located on the burner baseplate.
20. Install the complete burner assembly back into dryer. Be sure all wires are properly connected. Reconnect the flexible gas line from burner assembly or manual gas valve depending on your application.

**IMPORTANT: Be sure to tighten union nut properly, gas leakage could occur.**

## Installation Checklist

- Check that both labels have been installed as described in steps 2 and 19.
- If converting to Propane, check that the number 62 is not marked on either of the remaining orifices. If converting to Butane, check that the number 64 is not marked on either of the remaining orifices.
- Check that the regulator vent cap has been replaced by the blocking pin as in *Figure 4*. (Style "A" valve only).

## 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 13" (33 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.

## Pressure Test

Check minimum and maximum inlet gas pressures:

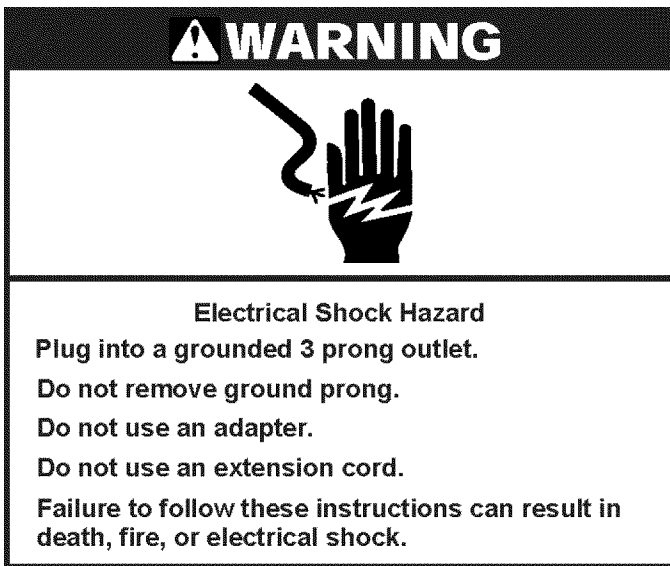
- Remove pressure tap plug from gas valve body.
- Insert pressure tap finger tighten and connect monometer hose to the end of the nipple.
- Turn on gas supply. If your dryer is equipped with manual valve, make sure that it is in the on position.
- Verify gas inlet pressure is between 8" and 13" water column.
- Turn off gas supply. If your dryer is equipped with manual valve, make sure that it is in the off position.
- Remove monometer and pressure tap and replace plug.

## Leak Check

- ☒ Turn on gas supply. If your dryer is equipped with manual valve, make sure that it is in the on position.
- ☒ Brush or spray a soap and water solution onto pressure tap and union nut and inspect for leaks indicated by growing bubbles.
- ☒ If dryer was moved during conversion, use this same method to check for leaks in the flexible gas supply line and any fittings between the dryer and the gas supply pipe.
- ☒ If any bubbles are present, tighten the leaking connection and retest for leaks.

21. Reassemble the front panel in the reverse order.

22. Tilt console up back in position and tighten screws.



23. Plug in dryer or reconnect power.

24. To make sure the dryer is working properly:

- ☒ Turn on dryer.
- ☒ Run on high for 5 minutes.
- ☒ Check for heat in drum.