

Instruction Sheet

For W11581316 L.P. (Propane and Butane) Gas Conversion Kit

Converting 22,000 BTU/hr Gas Burners From Natural Gas to Liquefied Petroleum (Bottled Gas)

Parts Included in Kit:

- 1 Instruction Sheet
- 1 Blocking Pin Style "A"
- 1 Blocking Pin Style "B"
- 1 Orifice, Burner-Butane No. 55

- 1 Orifice, Burner-Propane No. 54
- 1 Label, Rating Plate Conversion (English, French, Spanish)
- 1 Label, Conversion Record (English, French, Spanish)
- 1 Label, Burner Baseplate (English, French, Spanish)

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.

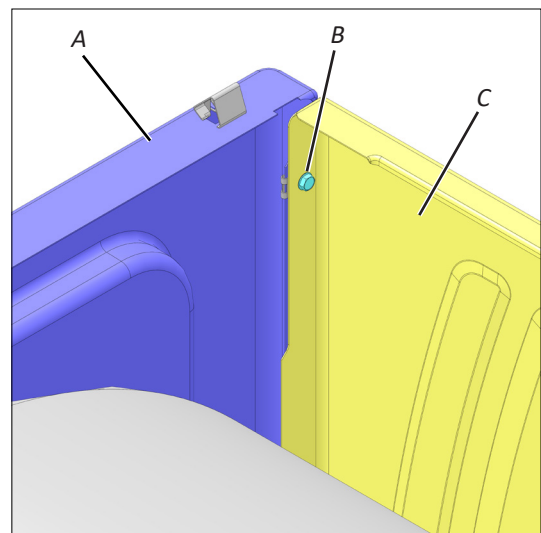
IMPORTANT: The LP Conversion Kit you received is an approved kit for converting your gas dryer from natural to LP propane or butane gas. The kit number shown on the Burner Data Label located on the Burner Base may not match the kit you receive due to kit consolidation.

Do not use on burner assembly no. 693037.

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" (254 mm) water column and supply pressure between 8" (203 mm) and 13" (330 mm) water column. If this dryer is converted for use with L.P. gas by means of this kit, the input rating will be 22,000 BTU's per hour, for altitudes up to 10,000 feet. For installations above 10,000 feet, contact a qualified service agency.

Gaining Access To Burner Assembly

1. Unplug dryer or disconnect power.
2. Turn off gas supply using the shut-off valve that supplies the dryer.
3. Fill out information on conversion decal and apply in a conspicuous location adjacent to model and serial tag located in the door well.
4. Remove toe panel. On some models, a small flat-head screwdriver is required to release the clips at the top of the toe panel. Then proceed to [step 10](#). If dryer has full front panel proceed to step 5 below.
5. Remove the lint screen. Remove the two (2) screws from the lint screen area.
6. Raise dryer top by pulling forward on the back corners and up on front corners (top is hinged at rear). Lean dryer top toward the wall, taking precautions not to damage the dryer top or wall. Position top so it cannot fall.
7. Remove wire harness clip and door switch wires from front panel.
8. Remove the two (2) internal screws from the upper inside edge of the front panel flanges. Using gloves, lift front panel off the lower clips (front of drum will drop slightly). Set front panel aside.



A. Front Panel
B. Screw
C. Side Panel

⚠ WARNING



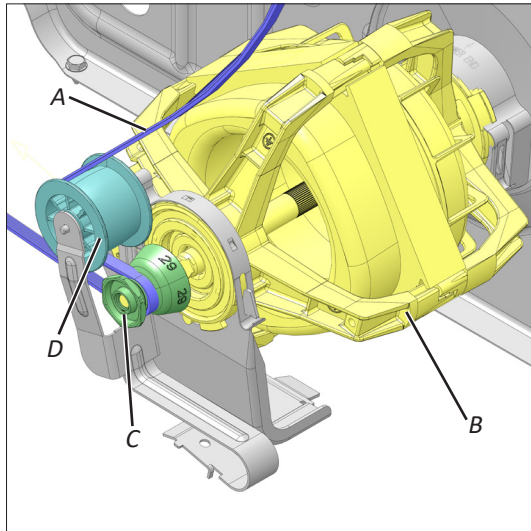
Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

9. Remove drum belt by lifting idler pulley upward and sliding belt off of motor pulley. Remove drum from cabinet.



A. Drive Belt
B. Drive Motor
C. Motor Pulley
D. Idler Pulley

10. Disconnect ignitor connector from the main harness ignitor connector.

NOTE: The ignitor is fragile.

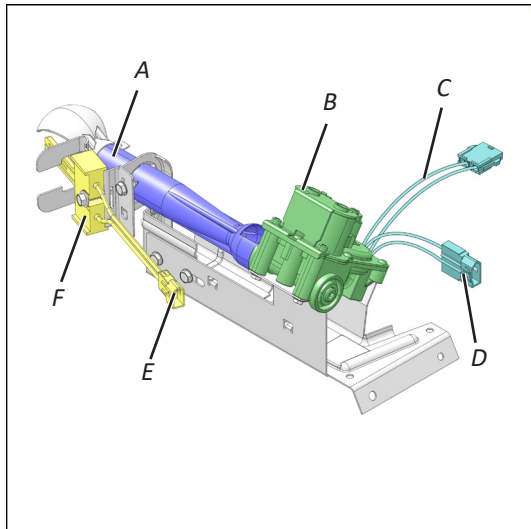


Figure 1
A. Burner Tube
B. Gas Valve Assembly
C. Main Harness
D. Main Harness Ignitor Connector
E. Ignitor Connector
F. Ignitor

11. Remove the burner tube from the burner assembly by removing two (2) screws securing it to the burner base.

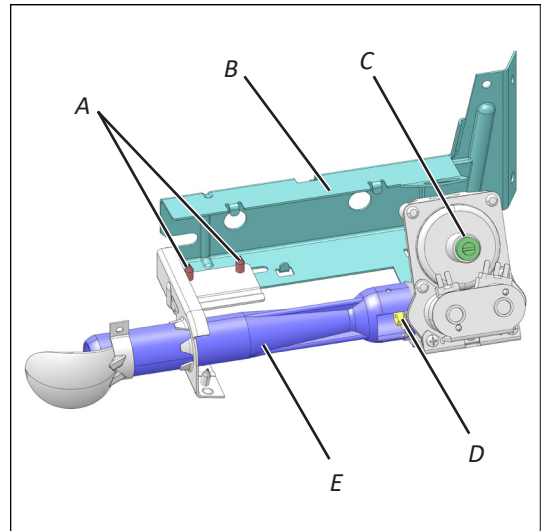


Figure 2
A. Mounting Screws
B. Burner Base
C. Vent Cap
D. Burner Orifice
E. Burner Tube

Changing The Orifice

12. 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 2 above.
Use Orifice No. 54 for Propane gas.
Use Orifice No. 55 for Butane gas.
13. Put the burner tube back on the burner assembly. Securely tighten the two (2) mounting screws. Reconnect the ignitor to the harness. See Figure 1 and Figure 2 above.

14. Before proceeding, you must first determine which gas valve style is on the unit.
Refer to Figure 3A - Style "A" and Figure 3B - Style "B".

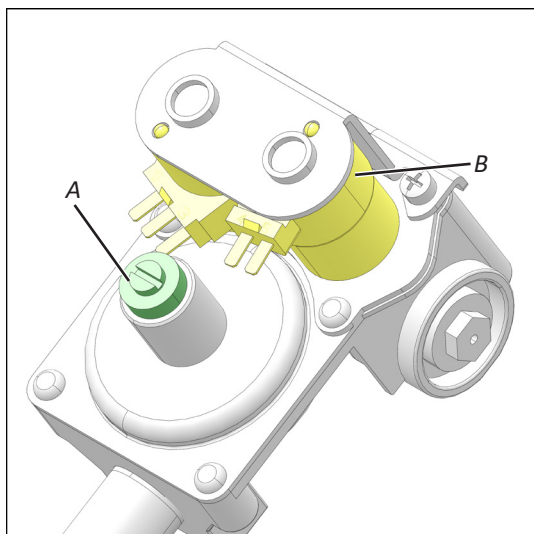


Figure 3A - Style "A" - Gas Valve
A. Vent Cap
B. Two Separate Coils

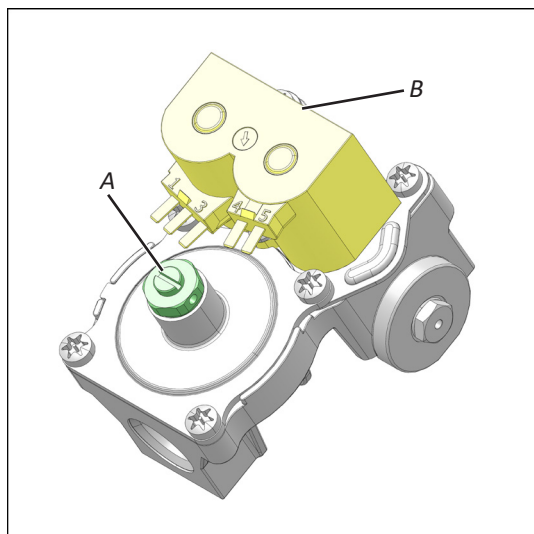


Figure 3B - Style "B" - Gas Valve
A. Vent Cap
B. One Piece Coil

NOTE: If Your Gas Dryer Has Style "A" Follow Steps 15 to 17 below. For Style "B" Follow Steps 18 to 20.

Style "A" Gas Valve Conversion

15. Remove the regulator vent cap (leak limiting device) from the pressure regulator. See Figure 3A Style "A".
16. Install the new blocking pin Style "A" finger tight. Do not tighten more than 1/8 turn to seal it. See Figure 4.

17. Apply conversion decal on top of the burner data decal located on the burner baseplate.

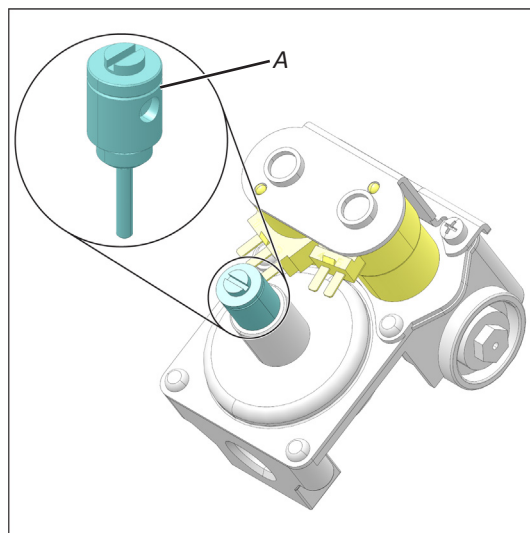


Figure 4
A. Blocking Pin Style "A"

NOTE: Proceed to next section "[Installation Checklist](#)"

Style "B" Gas Valve Conversion

18. Remove the regulator vent cap (leak limiting device) from pressure regulator. See Figure 3B Style "B".
19. Install the new blocking pin Style "B" finger tight. Do not tighten more than 1/8 turn to seal it. See Figure 5.
20. Apply conversion label on top of the burner data decal located on the burner baseplate.

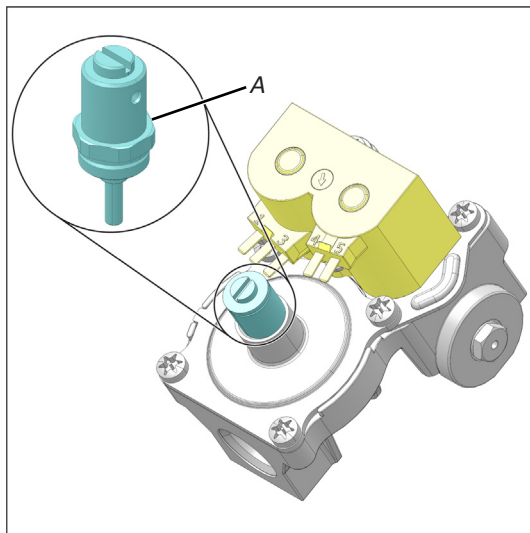


Figure 5
A. Blocking Pin Style "B"

NOTE: The blocking pin styles are specific to the valve style and cannot be interchanged.

Installation Checklist

- Check that both labels have been installed as described in [step 3](#) from section “Gaining Access to Burner Assembly”, [step 17](#) from section “Style “A” Gas Valve Conversion” or [step 20](#) from section “Style “B” Gas Valve Conversion”.
- If converting to Propane, check that the number 54 is not marked on either of the remaining orifices. If converting to Butane, check that the number 55 is not marked on either of the remaining orifices.
- Check that the regulator vent cap has been replaced by blocking pin Style “A” as in [Figure 4](#) or blocking pin Style “B” as in [Figure 5](#) for valves.

⚠ 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 propane, have a qualified person make sure gas pressure does not exceed 13" (33 cm) water column.

Examples of a qualified person include:

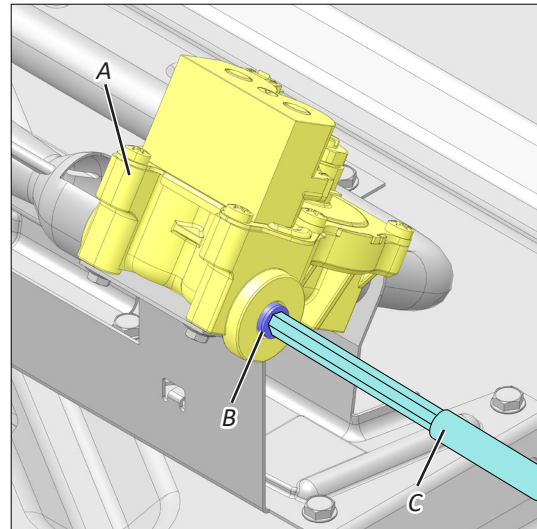
licensed heating personnel,
authorized gas company personnel, and
authorized service personnel.

Failure to do so can result in death, explosion, or fire.

Pressure Testing

Check minimum and maximum inlet gas pressure:

1. Remove pressure tap plug from valve body using a 3/16" hex wrench.

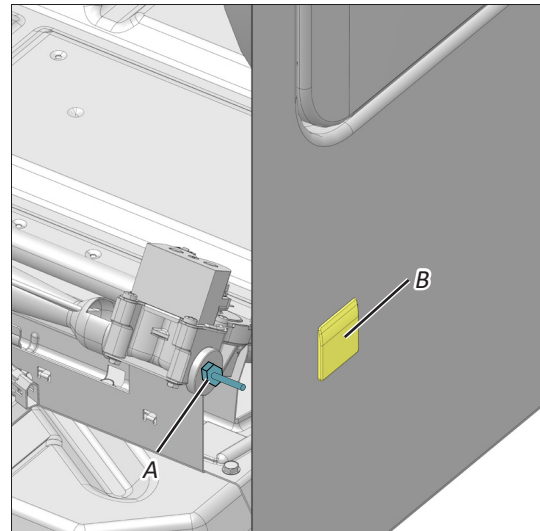


A. Gas Valve Assembly

B. Pressure Tap Plug

C. 3/16" Hex Wrench

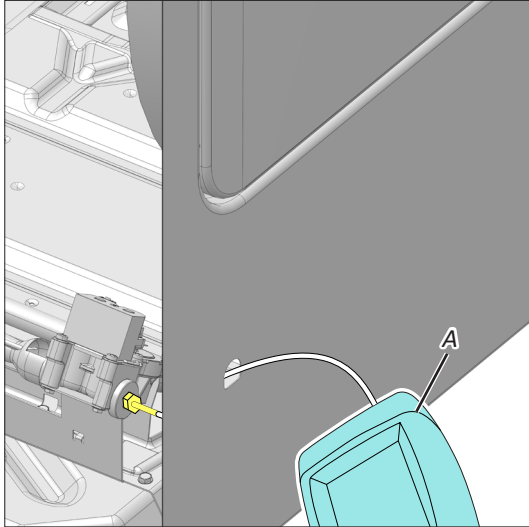
2. Insert pressure tap and finger-tighten. Remove view hole plug from front panel.



A. Pressure Tap

B. View Hole Plug

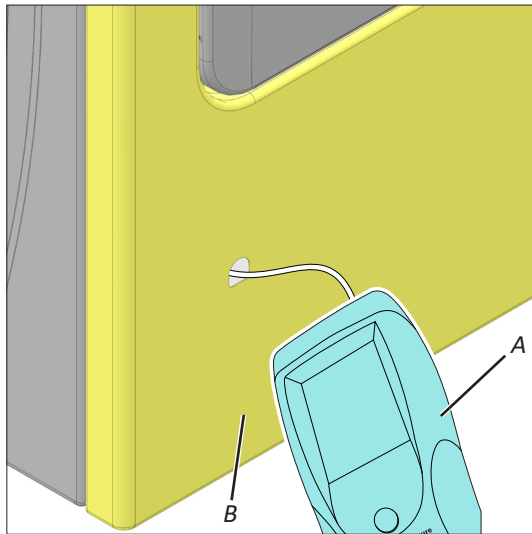
3. Connect an airtight hose to pressure tap and run the hose through the view hole on the front panel. Connect other end of hose to manometer (airtight hose will attach between pressure tap and manometer).



A. Manometer

NOTE: Be sure to replace all parts and panels, and to reconnect all wire leads and connections that were disconnected during disassembly of dryer.

4. Turn on and zero manometer.



A. Manometer
B. Front Panel

WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

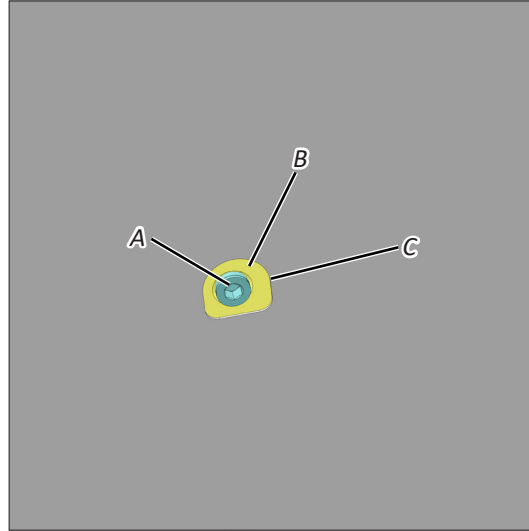
Failure to follow these instructions can result in death, fire, or electrical shock.

5. Plug in dryer or reconnect power.
6. Turn on gas supply.
7. Set dryer cycle to time dry, high heat and turn on dryer.
8. After ignition, verify gas inlet pressure is between 8" (203 mm) and 13" (330 mm) water column.
9. Turn off dryer.
10. Unplug dryer or disconnect power.
11. Turn off gas supply.
12. Disassemble control panel or top and console assembly (depending on application) and front panel assembly from dryer to regain access to burner assembly.
13. Disconnect manometer and remove hose from pressure tap.
14. Remove pressure tap.
15. Reinstall pressure tap plug to gas valve and tighten.

NOTE: Pressure tap plug can be reinstalled and securely tighten to gas valve body without removal of the bulkhead assembly with the use of a 3/16" hex wrench.

Checking for Leaks

1. With front panel removed, brush or spray an approved non-corrosive leak detection solution onto pressure tap plug.
2. Reassemble the dryer in reverse order.
3. Turn on gas supply.
4. Plug in dryer or reconnect power.
5. Set dryer cycle to time dry, high heat and turn on dryer.
6. View through the hole on the front panel inspecting for leaks indicated by growing bubbles.



*A. Pressure Tap Plug
B. Gas Valve Body
C. View Hole (on Front Panel)*

7. If any bubbles are present, turn off gas supply, tighten the leaking connection and retest for leaks.
 8. If dryer was moved during conversion, use the same method to check for leaks in the flexible gas supply line and fittings between the dryer and the gas supply pipe.
 9. If any bubbles are present, tighten the leaking connection and retest for leaks.
- NOTE:** Replace flexible gas supply line if bubbles are present on supply line.
10. If no bubbles are present, reinstall hole plug to front panel and unplug dryer.

Completing the Conversion

1. Check to assure all components are attached securely in place and lint filter has been installed to dryer.
2. Reattach dryer top or top and console assembly (depending on application). If dryer was moved from its original position, reposition dryer to its location.
3. Connect external exhaust vent to dryer.
4. Plug in dryer or reconnect power.
5. Check that dryer is working properly by:
 - Turning on dryer.
 - Running on high heat for 5 minutes.
 - Checking for heat in drum.

