

# INSTALLER'S GUIDE

18-CH20D3-2

**IMPORTANT** -- This Document contains wiring and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

Model: BAYLPSS001B

## LP Conversion Kit w/ SS Burners for Single Stage Gas YC(C/P/X)-DCY

### **⚠ WARNING: HAZARDOUS VOLTAGE - DISCONNECT POWER BEFORE SERVICING**

**⚠ 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. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency performing this work assumes responsibility for the proper conversion of this appliance with this kit.

#### GENERAL

These instructions describe converting gas package unit models YC\*, DC\* from natural gas to LP gas.

Conversion from natural gas to LP gas is a critical procedure, therefore, these INSTRUCTIONS MUST BE FOLLOWED CLOSELY.

#### INSPECTION

1. Unpack all components of the LP conversion kit.
2. Check carefully for any shipping damage. If any damage is found, this must be reported immediately and a claim made against the transportation company.
3. Check to be sure that the package contains five (5) #54 orifices and stainless steel burners and two (2) LP springs (only one is required). (NOTE: All orifices/burners in excess of the number of burners and one spring that will not be used, should be retained for future use.) Any missing components should be reported to your supplier at once and replaced with authorized components only.

#### CONVERSION PROCEDURE

**"Caution the gas supply shall be shut off prior to disconnecting the electrical power before proceeding with the conversion."**

*NOTE: Conversion should be made prior to installation of the equipment at the job site.*

1. Place the thermostat selector switch to the OFF position.
2. Shut off gas supply to the unit.
3. Open the unit electrical disconnect switch.

4. Remove the gas heating section access panel.
5. Remove the burner cover (two (2) screws). The FL (fuse link) may have to be disconnected. See figure 1.
6. Remove burner hold down bracket (2-5 screws). See figure 1.
7. Lift and remove the burners up from the burner support bracket and off the orifice in manifold.
8. Remove the natural gas orifices from the manifold. See figure 1.
9. Install the new LP gas orifices so .25 inches extends out of the manifold. See figure 2.
10. Install the new SS burners onto the burner support bracket ensuring the new orifices completely capture the burner ends, reverse the disassembly procedure and secure all components in their respective positions.
11. Remove the natural gas spring located under the gas valve's regulator adjustment screw. See figure 1.
12. Attach the "LP" nameplate supplied with this kit adjacent to the unit nameplate and apply the conversion label to the gas valve.
13. Check all piping joints and electrical connections for tightness.
14. Turn on the gas supply to the unit.
15. Measure the gas pressure. If the pressure exceeds 11 inches water column, reset the regulator at the gas supply.
16. Check for leaks at all joints with a soap solution.

**⚠ WARNING: NEVER USE AN OPEN FLAME TO TEST FOR GAS LEAKS: AN EXPLOSION COULD OCCUR, CAUSING INJURY OR DEATH.**

*NOTE: Contact the LP gas supply company if the supply pressure is different than the supply pressure indicated on the unit nameplate.*

17. Restore power to unit.
18. Place the thermostat selector switch to the HEAT position and adjust the set point indicator to its highest setting. The burners should light.
19. Refer to rating nameplate for proper input.
20. Adjust the unit manifold pressure to that specified on the rating plate. ( Refer to INSTALLER'S GUIDE for proper adjustment instructions and input calculations.)

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21. Install the access panel.

23. At altitudes above 2000 feet derate application 4% per 1000 feet.

22. Refer to INSTALLER'S GUIDE for complete sequence of operations

