

Installer's Guide

LP Conversion Kit

Used with 3 - 8 1/2 Ton Packaged Units

Model Number

BAYLPKT028B

Used with

YHC033A(3,4,W)*

Y*C036A(3,4,W)

Y*C048A(3,4,W)

Y*C060A(3,4,K,W)

Y*C072A(3,4,K,W)*(L,X)

Y*C090A(3,4,K,W)*(L,X)

Y*C102A(3,4,K,W)*(L,X)

YSC072E**(L,M,X,Y)

YSC102E**(L,X)

YHC043A(3,4,W)*

Y*C036E(1,3,4,W)*

Y*C048E(1,3,4,W)*

Y*C060E(1,3,4,K,W)*

Y*C072A(3,4,W)*(M,Y)

Y*C092A(3,4,W)*(L,X)

YHC063A(3,4,W)*

YSC092E**(L,X)

Installation

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION

Indicates a situation that may result in equipment or property-damage-only accidents.

General

These instructions describe converting gas package unit models 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 it must be reported immediately and a claim made against the transportation company.
3. This kit contains the correct LP orifices and conversion spring kit as required for LP conversion. Refer to Table 1 to determine proper orifice selection. The kit contains the following items.

Qty.	Description
2 Orifices	Drill # 50 .070 in. (1.778 mm) Dia.
3 Orifices	Drill # 46 .081 in. (2.057 mm) Dia.
1 Literature	LP Conversion literature
1 Spring Kit	LP Conversion Spring Kit
1 Label	LP Conversion Label

Table 1.

Unit	Gas Input		LP Gas
	Rating Btuh	KW	Orifice Size
YHC033A**(L, X)	60,000	17.6	Drill # 50
Y**036A**(L, X)	60,000	17.6	Drill # 50
Y**036E**(L, X)	60,000	17.6	Drill # 50
YHC033A**(M, Y)	80,000	23.5	Drill # 46
Y**036A**(M, Y)	80,000	23.5	Drill # 46
Y**036E**(M, Y)	80,000	23.5	Drill # 46
YHC033A**(H, Z)	120,000	35.2	Drill # 46
Y**036A**(H, Z)	120,000	35.2	Drill # 46
Y*C036E**(H, Z)	120,000	35.2	Drill # 46
YHC043A**(L, X)	60,000	17.6	Drill # 50
Y**048A**(L, X)	60,000	17.6	Drill # 50
Y**048E**(L, X)	60,000	17.6	Drill # 50
YHC043A**(M, Y)	80,000	23.5	Drill # 46
Y**048A**(M, Y)	80,000	23.5	Drill # 46
Y**048E**(M, Y)	80,000	23.5	Drill # 46
YHC043A**(H, Z)	120,000	35.2	Drill # 46
Y**048A**(H, Z)	120,000	35.2	Drill # 46
Y**048E**(H, Z)	120,000	35.2	Drill # 46
Y**060A**(L, X)	60,000	17.6	Drill # 50
Y**060E**(L, X)	60,000	17.6	Drill # 50
YHC063A**(L, X)	60,000	17.6	Drill # 50
Y**060E**(M, Y)	80,000	23.5	Drill # 46
YHC063A**(M, Y)	80,000	23.5	Drill # 46
YHC063A**(M, Y)	80,000	23.5	Drill # 46
Y*C060A**(H, Z)	130,000	38.1	Drill # 46
Y*C060E**(H, Z)	130,000	38.1	Drill # 46
YHC063A**(H, Z)	130,000	38.1	Drill # 46
Y*C072A**(L, X)	80,000	23.5	Drill # 46
Y*C072E**(L, X)	80,000	23.5	Drill # 46
Y*C072A**(M, Y)	120,000	35.2	Drill # 46
Y*C072E**(M, Y)	120,000	35.2	Drill # 46
Y*C090A**(L, X)	120,000	35.2	Drill # 46
Y*C092A**(L, X)	120,000	35.2	Drill # 46
Y*C092E**(L, X)	120,000	35.2	Drill # 46
Y*C102A**(L, X)	120,000	35.2	Drill # 46
Y*C102E**(L, X)	120,000	35.2	Drill # 46

Installation

Conversion Procedure

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

1. Place the thermostat selector switch to the OFF position.
2. Open the unit electrical disconnect switch.

WARNING

Hazardous Voltage w/ Capacitors!

Disconnect all electric power, including remote disconnects and discharge all motor start/run capacitors before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized. Verify with an appropriate voltmeter that all capacitors have discharged. Failure to disconnect power and discharge capacitors before servicing could result in death or serious injury.

3. Shut off gas supply to the unit.
4. Remove gas valve access panel.
5. Break pipe union.
6. Remove pipe from street elbow.
7. Remove four (4) screws from manifold bracket. See Figure 1.

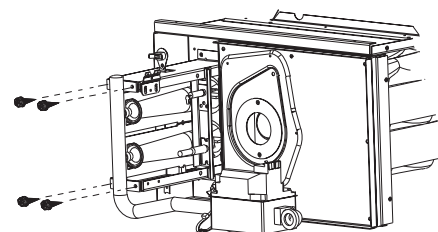


Figure 1. Typical view

8. Remove natural gas orifices from manifold. See Figure 2.
9. Install LP orifices listed in Table 1. Engage threads of manifold and tighten orifice three and one half turns.

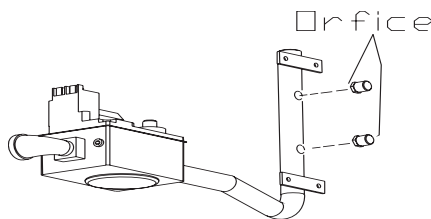


Figure 2. Typical view

Note: Kits built prior to August 2006 may have different orifices. For these cases, install the orifices according to Table 2 and adjust the manifold pressure to 10 inches water column (24.9 mbar) in step 18..

10. Install LP gas valve spring. Follow instructions of literature provided with the conversion spring kit.
11. Reverse the disassembly procedure and secure all components in their respective position.
12. Attach the nameplate and label supplied with the conversion kit below the unit nameplate.
13. Check all piping joints and electrical connections for tightness.
14. Turn on the gas supply to unit.
15. Measure the gas pressure. If the pressure exceeds 14 inches water column (34.8 mbar), reset the regulator at the gas supply.
16. Restore unit power.
17. Place the thermostat selector switch to the HEAT position and adjust the setpoint indicator to its highest setting. The burners should light.
18. If the orifices in Table 1 were installed, adjust the unit manifold pressure to 7 inches water column (17.4mbar) per the rating plate. If the obsolete orifices in Table 2 were used, adjust the unit manifold pressure to 10 inches water column (24.9 mbar)
19. Install the access panel.

Table 2. Obsolete orifices used on kits built prior to August 2006. If these orifices are used, manifold pressure should be set at 10 inches water column (24.9 mbar)

Unit	Gas Input Rating		LP Gas Orifice Size
	Btuh	KW	
YHC033A**(L, X)	60,000	17.6	Drill # 52
Y**036A**(L, X)	60,000	17.6	Drill # 52
Y**036E**(L, X)	60,000	17.6	Drill # 52
YHC033A**(M, Y)	80,000	23.5	Drill # 50
Y**036A**(M, Y)	80,000	23.5	Drill # 50
Y**036E**(M, Y)	80,000	23.5	Drill # 50
YHC033A**(H, Z)	120,000	35.2	Drill # 50
Y**036A**(H, Z)	120,000	35.2	Drill # 50
Y*C036E**(H, Z)	120,000	35.2	Drill # 50
YHC043A**(L, X)	60,000	17.6	Drill # 52
Y**048A**(L, X)	60,000	17.6	Drill # 52
Y**048E**(L, X)	60,000	17.6	Drill # 52
YHC043A**(M, Y)	80,000	23.5	Drill # 50
Y**048A**(M, Y)	80,000	23.5	Drill # 50
Y**048E**(M, Y)	80,000	23.5	Drill # 50
YHC043A**(H, Z)	120,000	35.2	Drill # 50
Y**048A**(H, Z)	120,000	35.2	Drill # 50
Y**048E**(H, Z)	120,000	35.2	Drill # 50
Y**060A**(L, X)	60,000	17.6	Drill # 52
Y**060E**(L, X)	60,000	17.6	Drill # 52
YHC063A**(L, X)	60,000	17.6	Drill # 52
Y**060E**(M, Y)	80,000	23.5	Drill # 50
YHC063A**(M, Y)	80,000	23.5	Drill # 50
YHC063A**(M, Y)	80,000	23.5	Drill #50
Y*C060A**(H, Z)	130,000	38.1	Drill #49
Y*C060E**(H, Z)	130,000	38.1	Drill #49
YHC063A**(H, Z)	130,000	38.1	Drill #49
Y*C072A**(L, X)	80,000	23.5	Drill # 50
Y*C072E**(L, X)	80,000	23.5	Drill # 50
Y*C072A**(M, Y)	120,000	35.2	Drill # 50
Y*C072E**(M, Y)	120,000	35.2	Drill # 50
Y*C090A**(L, X)	120,000	35.2	Drill # 50
Y*C092A**(L, X)	120,000	35.2	Drill # 50
Y*C092E**(L, X)	120,000	35.2	Drill # 50
Y*C102A**(L, X)	120,000	35.2	Drill # 50
Y*C102A**(L, X)	120,000	35.2	Drill # 50

Literature Order Number	ACC-SVN35E-EN
Date	05/07
Supersedes	ACC-SVN35D-EN (07/06)

The manufacturer has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.