

Installation Instructions

Part No: CRLPKIT5001A00, CRLPKIT5002A00, CRLPKIT5004A00

USAGE AND CONTENTS

ACCESSORY PART NO.	USAGE			CONTENTS
	Model	Unit Size*	Heat Level†	
CRLPKIT5001A00	48EJ,EK,EW,EY and 580G,H	024-034	All	6 Wire Ties 15 Burner Orifices, Size No. 43 1 Conversion Label 1 Warning Label
	48AJ,AK,AW,AY	020-035	All	
	48A2,A3,A4,A5,A6,A7,A8,A9	020-030	All	
	48A2,A3,A4,A5,A6,A7,A8,A9	035	Low heat	
CRLPKIT5002A00	48EJ,EK,EW,EY and 580G,H	038-048	All	6 Wire Ties 20 Burner Orifices, Size No. 42 1 Conversion Label 1 Warning Label
	48AJ,AK,AW,AY	036-050	All	
	48A2,A3,A4,A5,A6,A7,A8,A9	035	High heat	
	48A2,A3,A4,A5,A6,A7,A8,A9	040-050	All	
CRLPKIT5004A00	48EJ,EK,EW,EY and 580G,H	054-068	All	6 Wire Ties 30 Burner Orifices, Size No. 42 1 Conversion Label 1 Warning Label
	48AJ,AK,AW,AY	051-060	All	
	48A2,A3,A4,A5,A6,A7,A8,A9	060	All	

* Unit size can be found in the model number position 6 thru 8.

† Heat level can be found in the model number position 5. D, M, or S = Low Heat. E, N, or T = High Heat.

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure).

Only trained, qualified installers and service technicians should install, start up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling and installing this accessory.

⚠ WARNING

Before beginning any modification, close main gas supply shutoff valve. Be certain that the main line electrical disconnect switch is in the OFF position. Electric shock or fire could result. Tag disconnect switch and gas valve with suitable warning labels.

⚠ CAUTION

Ensure clearances are in accordance with local installation codes, the requirements of the gas supplier and the manufacturer's installation Instructions.

⚠ ATTENTION

Assurez-vous que les dégagements sont conformes aux codes d'installation locaux, aux exigences du fournisseur de gaz et aux instructions d'installation du fabricant.

Installation of this furnace at altitudes above 2000 ft (610 m) shall be made in accordance with the Listed High Altitude Conversion Kit available with this furnace.

L'installation de ce générateur de chaleur à des altitudes supérieures à 2000 pi (610 m) doit être effectuée conformément aux instructions accompagnant la trousse de conversion pour haute altitude fournie avec cet appareil.

INSTALLATION

Step 1 — Modify Burner Assembly

To modify the burner assembly with the LP gas conversion kit, perform the following:

1. Shut off manual gas valve (in unit).
2. Shut off power to unit.
3. Remove gas heat access panels. See Fig. 1.
NOTE: Steps 4 to 7 refer to all of the gas sections of the unit. Each step must be done for each gas section.
4. Separate burners from frame by removing screws. Save screws. See Fig. 2.
5. Replace orifices with those provided in accessory LP conversion kit. See Usage and Contents table.
6. Remount burners to support frame. Make sure the end burners are in their original location. The tabs at the flame end should interlock. Use screws saved from Step 4. See Fig. 2 detail "D."
7. Check spark gap (Fig. 3).
8. Attach conversion label next to gas label on inside of left gas heat access panel.
9. Attach warning label to corner post. See Fig. 1 for location of warning label.
10. Perform the Check Unit Operation and Make Necessary Adjustments section.
NOTE: Save all natural gas parts removed during accessory installation. It is recommended that these parts be saved in the event that the unit needs to be converted back to natural gas.

Step 2 — Check Unit Operation and Make Necessary Adjustments

1. Remove manifold pressure tap plug from manifold and connect pressure gage or manometer.
2. Turn on electrical supply.
3. Turn on unit main gas valve.
4. Set room thermostat or room sensor or adjust the unit control temperature setpoints to call for heat. See unit control manuals.
5. When main burners ignite, adjust regulator for 3.5 in. wg manifold pressure. Check manifold and orifices for leaks.

WARNING

FIRE OR EXPLOSION HAZARD

Failure to follow the safety warnings exactly could result in serious injury, death or property damage.

Never test for gas leaks with an open flame. Use a commercially available soap solution made specifically for the detection of leaks to check all connections. A fire or explosion may result causing property damage, personal injury or loss of life.

AVERTISSEMENT

RISQUE D'INCENDIE OU D'EXPLOSION

Si les consignes de sécurité ne sont pas suivies à la lettre, cela peut entraîner la mort, de graves blessures ou des dommages matériels. Ne jamais vérifier la présence de fuites de gaz au moyen d'une flamme nue. Vérifier tous les raccords en utilisant une solution savonneuse commerciale conçue spécialement pour la détection de fuites. Un incendie ou une explosion risque de se produire, ce qui peut entraîner la mort, des blessures ou des dommages matériels.

6. Check firing rate and readjust pressure if necessary. See nameplate.

WARNING

This unit is designed to operate at 3.5 in. wg (± 0.3 in. wg) manifold pressure with LP gas. Exceeding this pressure will cause explosion or injury.

7. Shut off manual gas valve and shut off power to unit.
8. Remove pressure gage or manometer and replace manifold pressure tap plug.
9. Turn on power to unit, then main gas valve. With burners ignited, check pressure tap for gas leaks. Repair if necessary.
10. Replace gas heat access panels.
11. Remove warning tags from disconnect switch and gas supply shutoff valve.

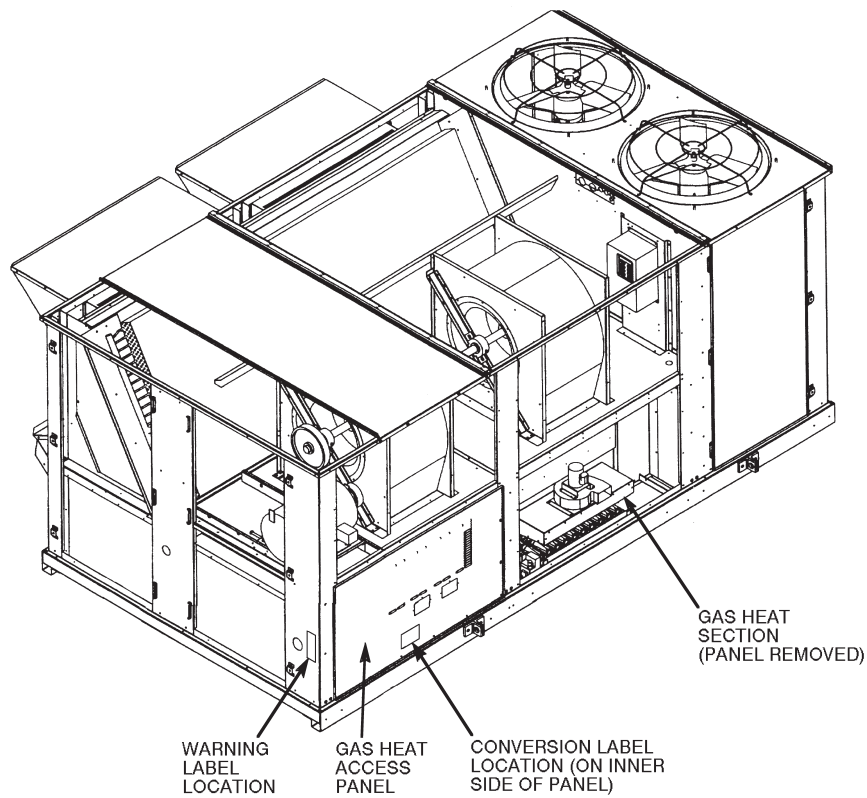


Fig. 1 — Typical Gas Heating Unit (20 Ton Unit Shown)

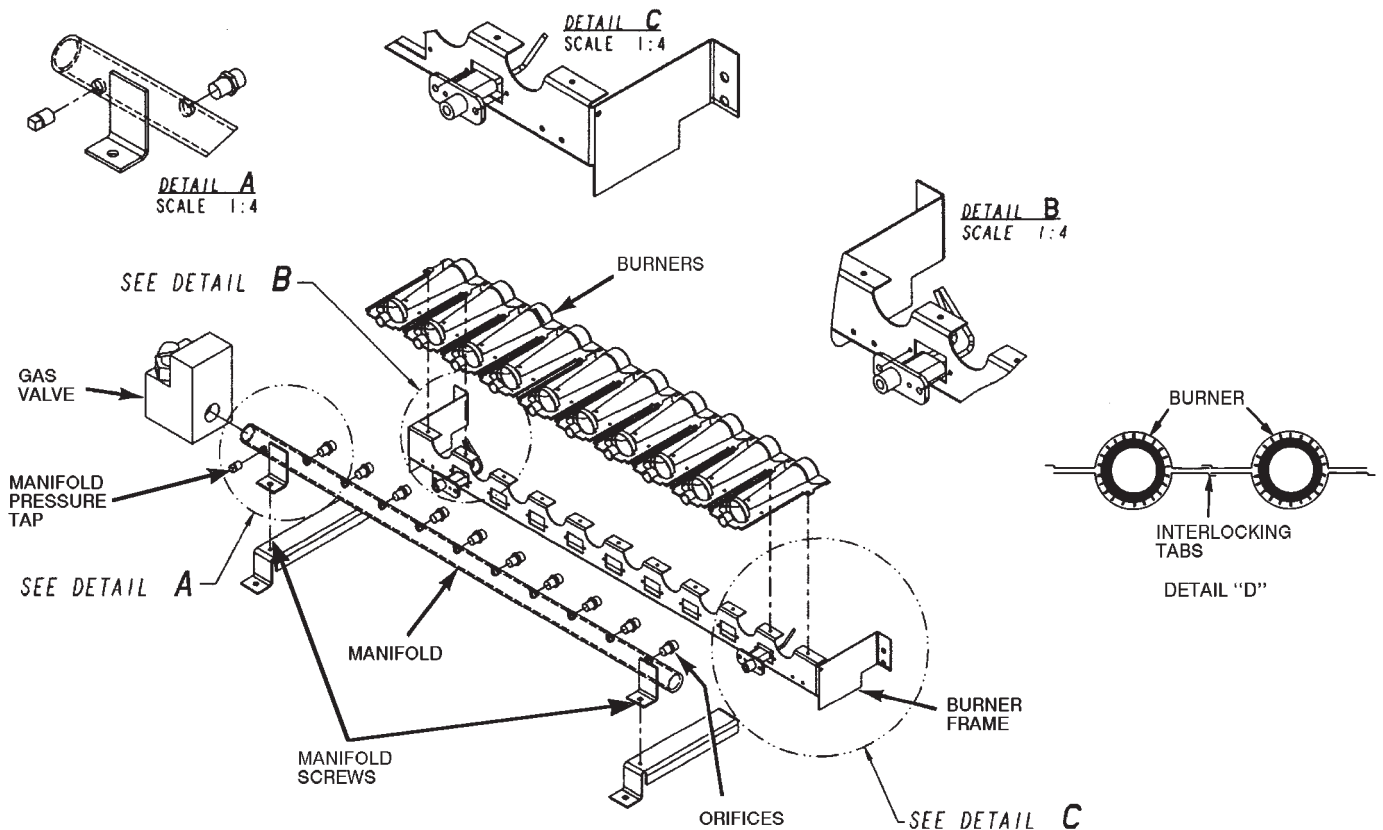
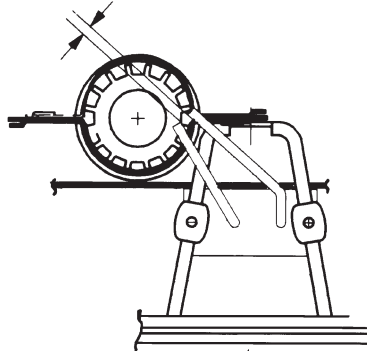


Fig. 2 — Main Burner Removal (High Heat Shown)

SPARK GAP .125 in. (3.2) TO .140 in. (3.6)



SPARK GAP .142 in. (3.6)
TO .220 in. (5.6)

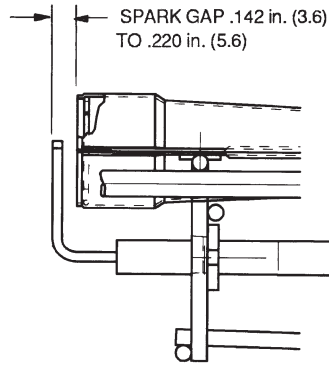


Fig. 3 — Spark Gap