Version Date: 01-16-25

96% AFUE TWO-STAGE GAS FURNACE NATURAL GAS TO L.P. CONVERSION KIT FOR STANDARD OR HIGH ALTITUDE APPLICATIONS

INSTALLATION INSTRUCTIONS

Installer: Save these instructions for future use!

FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY INSTALLING OR OPERATING THIS CONTROL COULD CAUSE INJURY AND/OR PROPERTY DAMAGE.

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

APPLICATION

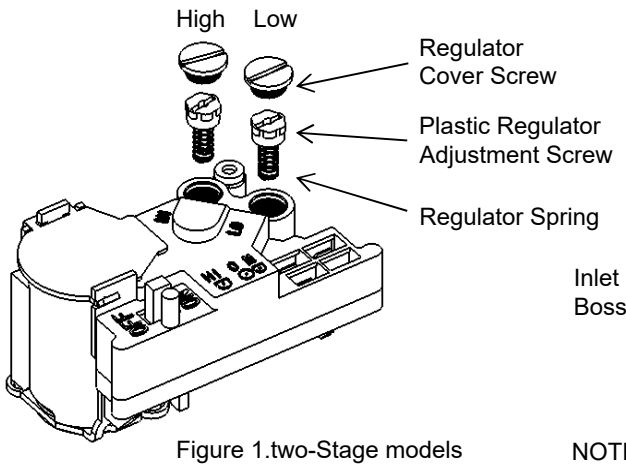
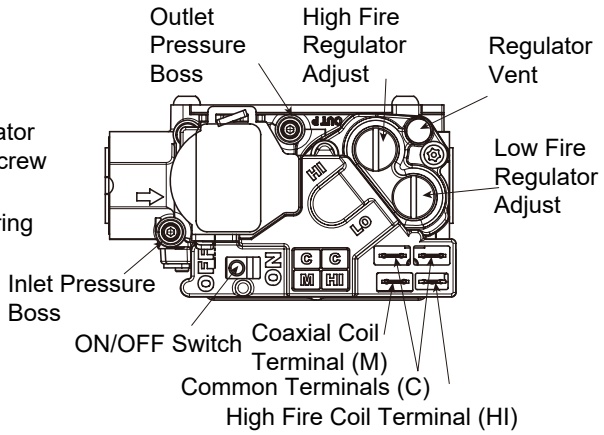


Figure 1.two-Stage models



NOTE: M ternimial is used to give power supply for main coil to adjust the whole gas airflow,HI terminal is used to adjust the high and low fire.

Figure 2

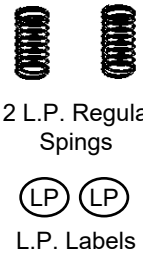


Figure 3. Contents of kit

No.	Item	Contains	Notes
1	W962V LP Conversion Kit	LP springs, orifices, and conversion labels	Shipped with unit

⚠ WARNING

VALVE CONVERTED FOR USE ON L.P. GAS, IMPROPER OPERATION COULD RESULT IN DEATH OR SERIOUS INJURY.

TO CONVERT FROM NATURAL TO L.P. GAS

Step 1: Remove the original natural gas orifice counterclockwise with an adjustable wrench or electric screwdriver and replace it with a liquefied petroleum gas orifice.Place the gas valve horizontally, and unscrew the HI and LO pressure regulating screw;

Step 2: Take out plastic screws and original natural gas springs and place the liquefied petroleum gas springs in the HI and LO ports;

NOTE: If the converted L.P. low regulator setting is less than 5.0"w.C.,use the original natural gas spring.

Step 3: Screw the HI and LO plastic screws clockwise for 14 turns;

Step 4: Install the gas pipe assembly and gas valve and connect the gas pressure gauge, and then check the gas leakage;

Step 5: Adjust HI stage outlet pressure to the appliance manufacturers requirements;

Step 6: Attach the WARNING label(provided in the kit) to the gas valve where it can be readily seen. Also attach the small round L.P. labels to the top of the regulator cover screws;

Conversion back to Natural Gas use maybe made at a later date by retaining the Natural Gas springs and orifices(removed in step 3, above)and following the same procedures.

Checking the Manifold Pressure:

The manifold pressure can be measured by installing a pressure gauge or U-tube manometer to the outlet end of the gas valve as follows:

1. With a small flathead screwdriver, loosen the manifold pressure tap plug located on the outlet side of the gas valve. Refer to Fig. 1.
2. Install the pressure gauge or U-tube manometer according to the manufacturer's supplied instructions.
3. Set the room thermostat to a point above room temperature to start the furnace.
4. Allow the furnace to operate for three (3) minutes and then check the manifold pressure. For LP gas installations, the manifold pressure should be set to appropriate manifold pressure. If the manifold pressure is not set to the appropriate pressure, then it must be adjusted. The pressure is adjusted after calibrating the specific gas valve according to the pressure value specified on the gas furnace's nameplate.

No.	Items	Contains	Notes
1	Accessory-High Altitude Kit ACHAKFURN962VA	#47 Drill Size Burner Orifice Kit*6 #48 Drill Size Burner Orifice Kit*6 #56 Drill Size Burner Orifice Kit*6 #57 Drill Size Burner Orifice Kit*6	Not Shipped With Unit, For 2,000-6,000 Feet
2	Accessory-High Altitude Kit ACHAKFURN962VB	#49 Drill Size Burner Orifice Kit*6 #50 Drill Size Burner Orifice Kit*6 #58 Drill Size Burner Orifice Kit*6 #59 Drill Size Burner Orifice Kit*6	Not Shipped With Unit, For 6,000-10,000 Feet

High Altitude Orifice Size and Manifold Pressure

W962V

Model	Number of Burners	W962V High Altitude Derate Orifice Size Chart (Natural Gas)										
		0-2000Ft		2000-4000Ft		4000-6000Ft		6000-8000Ft		8000-10000Ft		
		High	Low	High	Low	High	Low	High	Low	High	Low	
60B	3	45		47		48		49		50		Orifice Size
		3.5	1.6	3.5	1.6	3.5	1.6	3.5	1.6	3.5	1.6	Manifold Pressure
80B/80C	4	45		47		48		49		50		Orifice Size
		3.6	1.6	3.6	1.6	3.6	1.6	3.6	1.6	3.6	1.6	Manifold Pressure
100C/100D	5	45		47		48		49		50		Orifice Size
		3.6	1.8	3.6	1.8	3.6	1.8	3.6	1.8	3.6	1.8	Manifold Pressure
120C	6	45		47		48		49		50		Orifice Size
		3.6	1.8	3.6	1.8	3.6	1.8	3.6	1.8	3.6	1.8	Manifold Pressure

Model	Number of Burners	J962V High Altitude Derate Orifice Size Chart (LP Gas)										
		0-2000Ft		2000-4000Ft		4000-6000Ft		6000-8000Ft		8000-10000Ft		
		High	Low	High	Low	High	Low	High	Low	High	Low	
60B	3	45		47		48		49		50		Orifice Size
		8.4	3.7	8.4	3.7	8.4	3.7	8.4	3.7	8.4	3.7	Manifold Pressure
80B/80C	4	45		47		48		49		50		Orifice Size
		8.5	3.7	8.5	3.7	8.5	3.7	8.5	3.7	8.5	3.7	Manifold Pressure
100C/100D	5	45		47		48		49		50		Orifice Size
		8.5	4.3	8.5	4.3	8.5	4.3	8.5	4.3	8.5	4.3	Manifold Pressure
120C	6	45		47		48		49		50		Orifice Size
		8.5	4.3	8.5	4.3	8.5	4.3	8.5	4.3	8.5	4.3	Manifold Pressure

The input to the furnace must be checked AFTER reorificing.

ACiQ

Since the manufacturer has a policy of continuous p
roduct and product data improvement, it reserves the
right to change the design and specification without
notice.