

ACCESSORY KIT INSTALLATION INSTRUCTIONS

Propane Conversion Accessory Models 1NP0807 / 1NP0809

FOR 1-1/2 THRU 5 TON SINGLE PACKAGE GAS/ELECTRIC AIR CONDITIONERS

PROPANE KIT SELECTION CHART

Model	DNA, DYA	DNH, DYH	DNP, DYP DNZ, DYZ	DNQ, DYQ, DNY, DYY	DNX, DYX
Size	(018 - 042)	(030 - 036)	(024 - 036)	(024 - 036)	(024)
Kit	(Single Stage) 1NP0807 / (Two Stage) 1NP0809				

Model	DNA, DYA	DNH, DYH	DNP, DYP DNZ, DYZ DNQ, DYQ	DNY, DYY	DNX, DYX
Size	(048 - 060)	(042 - 060)	(042 - 060)	(048 - 060)	(036 - 048)
Kit	(Single Stage) 1NP0808 / (Two Stage) 1NP0810				

WARNING

This conversion kit is to 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 agency performing this work assumes responsibility for the proper conversion of this appliance with this kit.

This instruction covers the conversion only; the Installation Instruction supplied with the unit is to be used for all other aspects of the installation.

WARNING

Improper installation, adjustment, service or maintenance can cause injury or property damage; therefore only a qualified installer or qualified service personnel should perform this conversion.

WARNING

For U.S. units, installation must be made in accordance with American National Standard National Fuel Gas Code, ANSI Z223.1 - latest edition, unless superseded by local codes. For Canadian installations, the conversion shall be carried out in accordance with the requirements of the Provincial authorities having jurisdiction and in accordance with the CAN1-B149.1 and .2 installation codes.

CONTENTS OF KIT

ITEM	QTY.	PART NO.	DESCRIPTION
1	4	9602	Burner Orifice, #55
2	1	7614	Single Stage White Rogers Valve Kit (1NP0807 Only)
		7613	Single Stage Honeywell Valve Kit (1NP0807 Only)
		166163	Dual Stage Honeywell Valve Kit (1NP0809 Only)
3	1	10561	Convert and Modify Label
4	1	289836	Accessory Instruction Form
5	1	288603	Pilot Orifice #014

GENERAL

This kit is intended for the conversion of new equipment from natural gas to propane for installations below 2,000 feet altitude. For high elevations, an additional kit (1HA0802) will be required.

It contains labels and instructions. Field furnished orifices must be purchased from Source One parts department.

FURNACE CONVERSION

WARNING

Make sure both the gas and power supply are shut-off.

1. Remove the access panel to the gas heat compartment.
2. Remove pilot assembly from the burner support bracket. Disconnect the pilot tubing from the pilot assembly.

Remove the natural gas pilot orifice and install the propane orifice identified by a red color code on the orifice. Discard the natural gas pilot orifice and reassemble the pilot assembly.

3. Remove the #10 screws attaching the manifold to the manifold support bracket.
4. Carefully remove the manifold assembly with gas valve attached.
5. Remove the main burner orifices from the manifold and discard them.
6. Install the propane #55 orifices in the manifold, and tighten them. After installing a propane orifice in each location, any leftover orifices may be discarded.
7. Turn assembly right-side up and replace the natural gas regulator spring, located under the manifold pressure adjustment screw on the gas valve, with the appropriate propane gas regulator spring included in this kit. Discard the unused regulator spring.
8. Replace the assembly into the unit, making sure that the orifices are seated into the burners.
9. Reassemble the pilot assembly and attach to the burner support bracket.
10. Remove label 10561/035-11635-000 from the shipping box. Check the Propane (LP) box.
11. Under "Rating After Conversion", write in the following:
 - a. Orifice size, as stamped on the orifice - #55.
 - b. Maximum inlet pressure - 14" WC.
 - c. Minimum inlet pressure - 11" WC.
 - d. Manifold pressure - 10" WC.
 - e. Input, same as Rating Plate.
12. Under "Changes After Conversion", write in the following:
 - a. Kit number, 1NP0807 or 1NP0809.
 - b. Unit model number, replace the letter "N" or "D" with "P".
 - c. Stamp or write in the name of the organization making conversion, address, city, state, month and year.
13. Remove label backing and affix label adjacent to the Rating Plate.
14. Affix the corresponding gas valve label (provided in the conversion kit) to the valve body.
15. Refer to the gas heat section of the unit installation instructions for proper installation and start-up procedures.

TESTS AND ADJUSTMENTS

The following tests must be performed at the time of conversion:

▲WARNING

IF THE FURNACE IS CONNECTED TO GAS AND POWER SUPPLIES, MAKE SURE BOTH ARE SHUT OFF BEFORE PROCEEDING.

1. Connect a manometer to the manifold pressure tap on the gas valve. Connect a power supply and a propane gas supply to the unit, if not already connected.
 2. Turn on the propane gas supply and bleed air from the gas supply lines at a point as close to the inlet of the gas valve as is practical. Turn gas valve knob to the ON position.
 3. Set the thermostat to call for "HEAT" or connect a jumper between terminals "R" and "W" on the circuit board to simulate a call for heat.
 4. Make sure unit electrical disconnect switch is in the OFF position, then energize the power supply to the disconnect switch.
 5. Turn unit electrical disconnect switch ON. The combustion blower should start and the pilot ignitor should start sparking.
 6. Main burner ignition may be delayed on the first ignition cycle due to air in the gas manifold.
 7. Observe several ignition cycles. The main burners must ignite without delayed ignition or burning at the orifices.
 8. Adjust the manifold pressure to 10 IWG with gas supplied to the unit at a pressure of 11 to 14 inches WC.
- INLET GAS PRESSURE MUST BE AT
11-14" WC AT FURNACE.
SET MANIFOLD PRESSURE AT 10" WC.
9. With main burners ignited, check for gas leaks, especially in the following locations: gas valve inlet and outlet connections, manifold union in the burner compartment, and main burner orifices where they thread into the manifold and the pilot assembly where the pilot tubing is connected. Repair any leaks found, and recheck. **DO NOT CHECK WITH OPEN FLAME.**

10. With main burners off, disconnect the manometer and replace the manifold plug. Check for gas leaks at this plug.
11. Remove jumpers and replace access panels.