

# Installation Instructions

## MODEL 900759—HEATING/COOLING BLOWER PACKAGE WITH BUILT-IN RELAY

(For Coleman Presidential Gas Furnaces: 7600B, 7700B and 7900 Series)

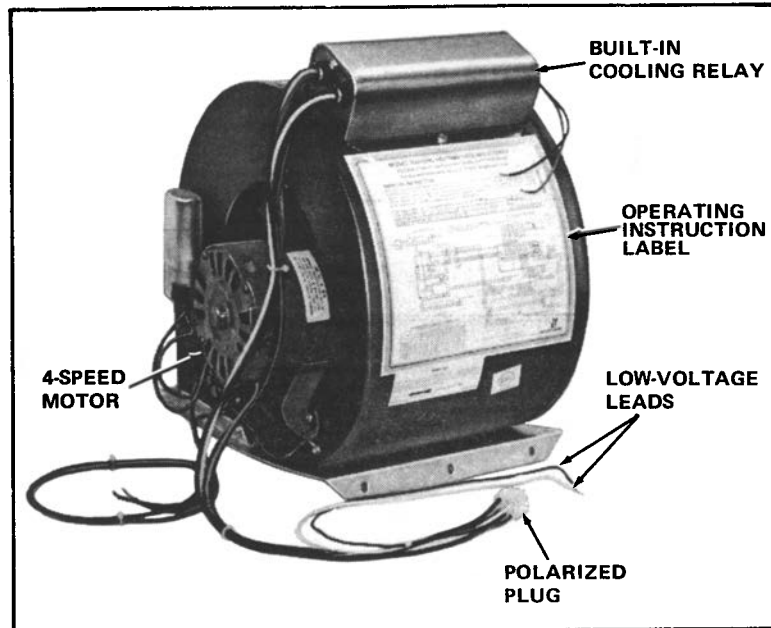


FIGURE 1.

### A. INTRODUCTION

Model 900759— Heating/Cooling Blower Package is designed for use with Coleman 7600B, 7700B and 7900 Series "Presidential" gas furnaces installed with Intertherm "AC—" Series split-system air conditioners. This replacement air circulator, with built-in cooling relay, is equipped with a "quick-polarized plug for connection to the Coleman furnace control panel receptacle. Two low-voltage wires are prewired to the plug for connection to the furnace thermostat (heating) circuit.

A four speed motor is standard on the 900759— Blower to upgrade the air delivery of the Coleman furnace for the Intertherm split-system air conditioner. Two cooling speeds are available for 24,000 to 44,000 Btuh nominal rated air conditioning. Four motor speeds may be selected from the Blower Speed Selection Chart (FIGURE 6) for the proper heating speed.

#### NOTE TO INSTALLER:

These instructions are for the 900759— Blower Package only. Blower mounting plate and close-off plate must be assembled to the blower housing when installing in a 7900 Series furnace. Close-off plate is not required when installing in 7600B or 7700B Series furnace. To complete the installation of the split-system, follow the procedures outlined in the instruction sheets supplied with the slide-in evaporator coil and condensing unit.

Adaptor (No. 911146—) is required when furnace is equipped with Coleman 7681-8501 or -8511 damper package. A pre-wired adaptor plug assembly (No. 900937—) is optionally available to adapt the 900759— Blower to the Coleman 8600B Series gas gun furnaces and 8800B Series oil gun furnaces. Also available is a pre-wired adaptor receptacle assembly (No. 900760—) to adapt the 900759— Blower to the Coleman 7600, 7600A, 7700, and 7700A Series gas furnaces not equipped with control panel receptacles.

THESE INSTRUCTIONS ARE PRIMARILY INTENDED TO ASSIST QUALIFIED INDIVIDUALS EXPERIENCED IN THE PROPER INSTALLATION OF HEATING AND/OR AIR CONDITIONING APPLIANCES. SOME LOCAL CODES REQUIRE LICENSED INSTALLATION/SERVICE PERSONNEL FOR THIS TYPE EQUIPMENT. READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING THE INSTALLATION. SPECIFICATIONS OR DESIGNS SUBJECT TO CHANGE OR DISCONTINUANCE WITHOUT NOTICE AND WITHOUT INCURRING OBLIGATIONS.

# NORDYNE

## B. BLOWER INSTALLATION

### REMOVE COLEMAN BLOWER:

1. Shut off electrical supply to the furnace at main circuit box.
2. Remove upper door from the furnace.
3. Refer to FIGURE 2, and do the following:
  - a. Disconnect the thermostat leads and pull the two low-voltage wires (A) up through the partition panel.
  - b. Squeeze clamping tabs of the motor plug (B) and pull the plug straight out to disconnect from the control panel receptacle.
  - c. Disconnect the two auxiliary limit wires from the auxiliary limit switch (C) on left side of the blower housing.
  - d. Remove three bottom mounting screws from front blower support (D), and remove side retainer screws from the left and right blower railing. Retain front support screws for later use in these installation instructions.
  - e. Slide blower out of the furnace.

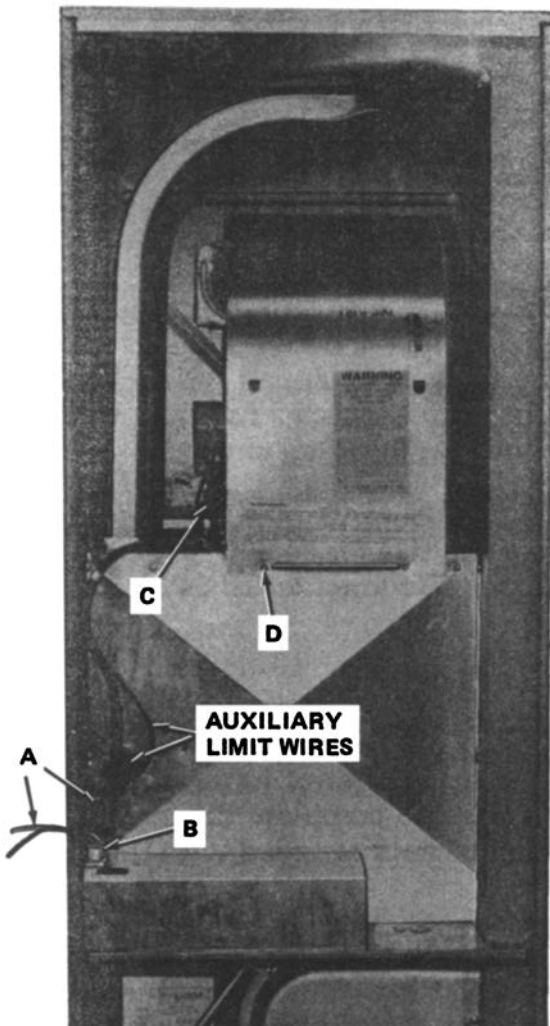


FIGURE 2. COLEMAN FURNACE

### INSTALL MODEL 900759- BLOWER:

4. Refer to FIGURE 3 below and install blower mounting plate and close-off plate (supplied with Blower Package) to bottom of the blower housing. Secure plates with screws provided. Close-off plate is not required for 7600B or 7700B Series furnaces.

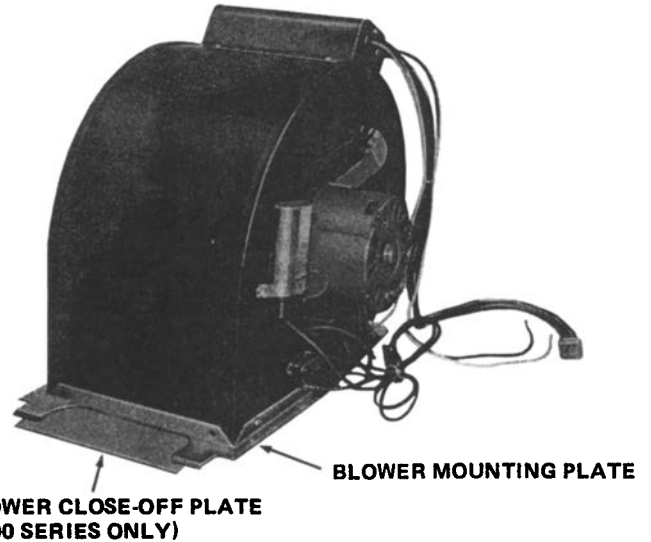


FIGURE 3.

5. Refer to FIGURE 4 and remove auxiliary limit switch from left side of the Coleman blower, and install on left side of Nordyne Blower.

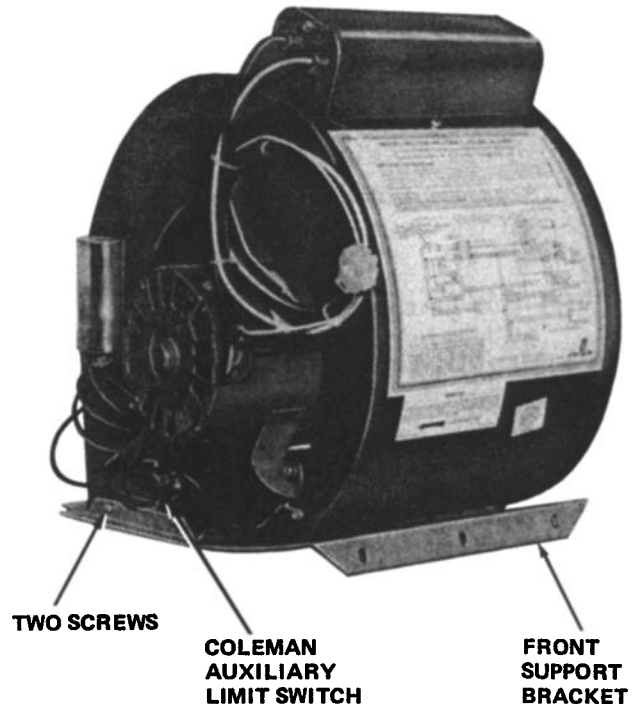
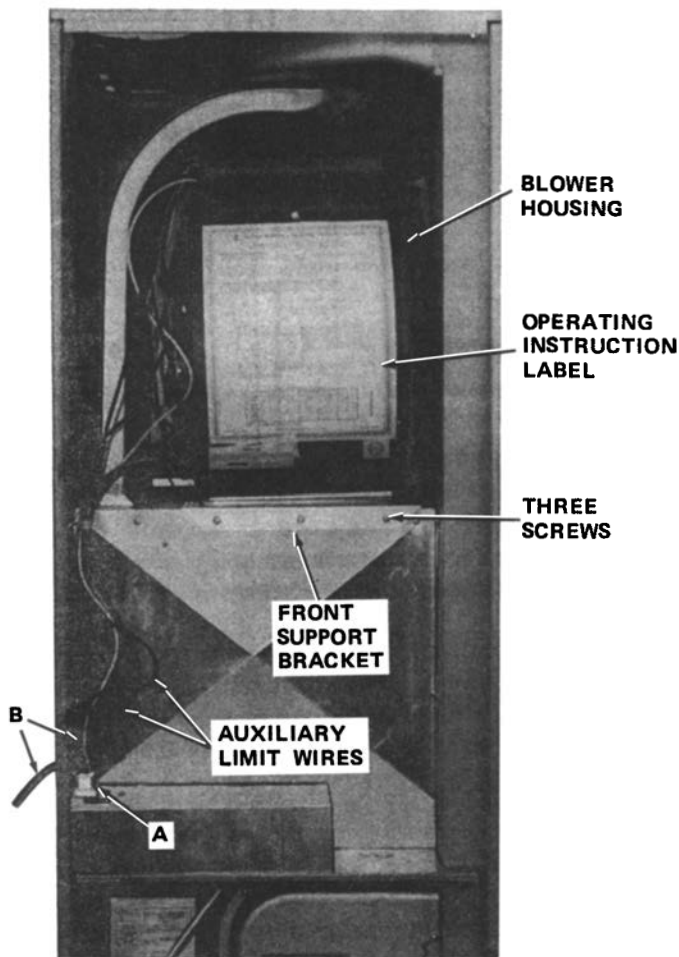


FIGURE 4.

## C. WIRING INSTRUCTIONS

1. Refer to FIGURE 5 and slide the Blower into the Coleman furnace and secure it to the air casing with the three screws previously removed in Step 3d.
2. Connect furnace auxiliary limit wires (removed in Step 3c "Blower Installation") to the auxiliary limit switch on left side of the Blower.
3. Insert polarized plug (A) into the furnace control panel receptacle. Clasp tabs of the plug should snap into place locking the plug into the receptacle.
4. Route the two low-voltage leads (B) down through hole in the partition panel.



**FIGURE 5. COLEMAN FURNACE WITH NORDYNE BLOWER INSTALLED**

### LOW-VOLTAGE CIRCUIT (24 Volt Thermostat):

Refer to wiring diagram label on blower housing for low-voltage circuit for heating and cooling. Wiring schematic is also shown on page 4 of these installation instructions.

### POWER SUPPLY CIRCUIT (Furnace):

Follow the wiring requirements and installation procedures supplied by the furnace manufacturer. (Refer to the wiring diagram on furnace control panel cover.)

### POWER SUPPLY CIRCUIT (Air Conditioner):

Follow the wiring requirements and installation procedures supplied with the Intertherm condensing unit. (Refer to the wiring diagram on control panel cover.)

## D. BLOWER OPERATION

**Set cooling speed for the particular NORDYNE Evaporator Coil model installed:**

### BLOWER SPEED SELECTION CHART

Furnace Model No.	Heating Speed Setting ("W")	Cooling Speed/Evaporator Coil ("Y")			
		AA*-024	AA*-030	AA*-036	AA*-042
7656B	1	3	3	4	4
7663B	2	3	3	4	4
7670B	3	3	3	4	4
7680B	3	3	3	4	4
7700B	4	3	3	4	4
7956	1	3	3	4	4
7966	2	3	3	4	4
7970	3	3	3	4	4
7975	4	3	3	4	4
7995	4	3	3	4	4

NOTE: \*INCLUDES ADDITIONAL SUFFIXES.

### FIGURE 6.

1. Remove blower speed control box cover.
2. Check furnace operating instruction plate for furnace model and check blower speed selection chart (above) for correct speed settings.
3. Connect white wire lead (marked "W"), to correct heating speed setting on terminal board.
4. Connect yellow wire lead (marked "Y"), to correct cooling speed setting on terminal board.
5. Replace cover removed in Step 1.
6. Install upper door on the furnace removed in Step 2 of "Blower Installation".
7. Turn on electrical supply to the furnace and Intertherm condensing unit.
8. Check for correct blower operation on both heating and air conditioning applications.

