

# **6330B4561**

## **ComfortGuard "Arctic" Heater Instructions**

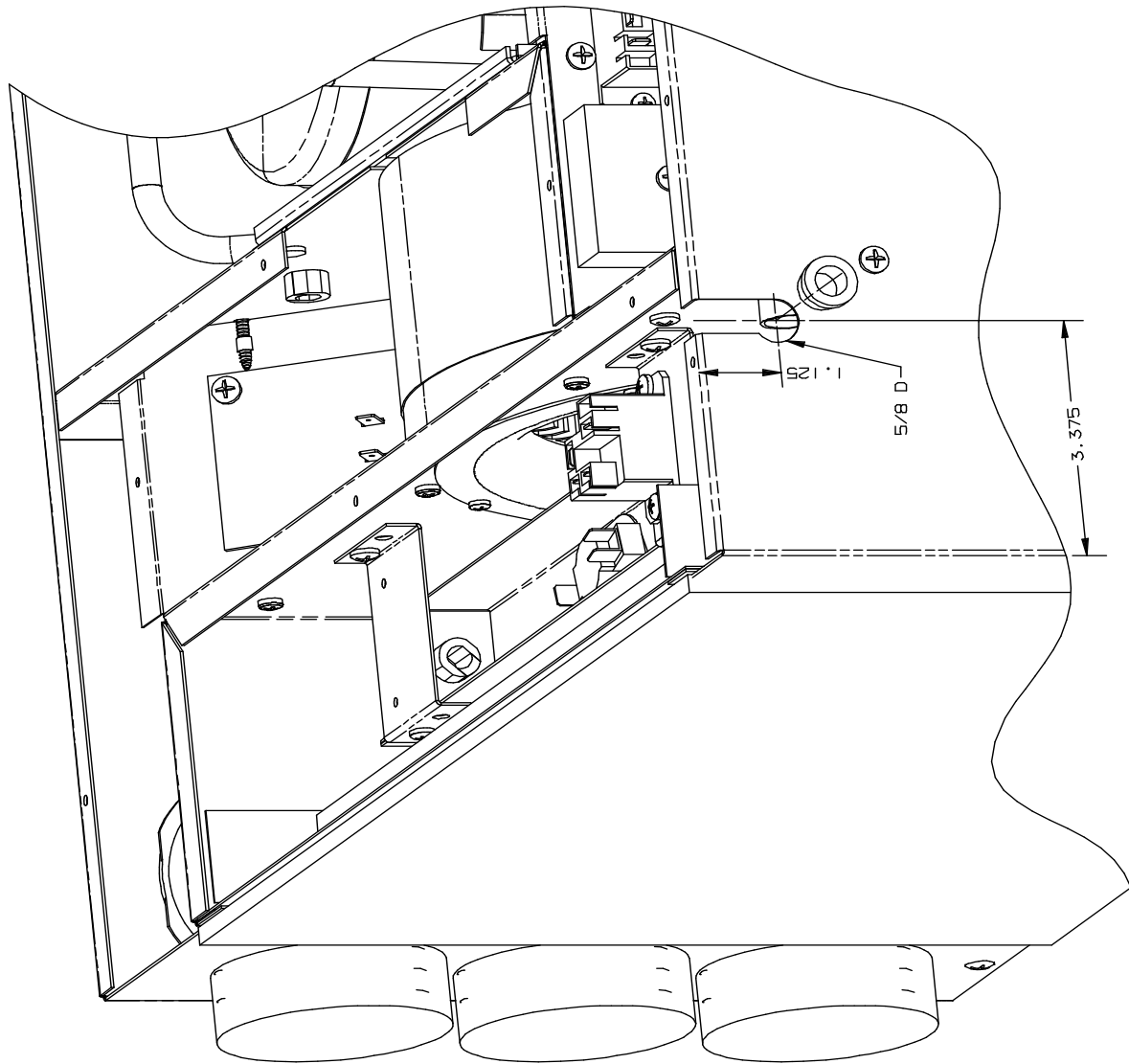
**The 6330B4561 must be used in the 6330B evaporator section and is also applicable to 6330- and 6330A evaporator sections when wired per the following installation instructions.**

**WARNING:  
TO AVOID ELECTRIC SHOCK, INSURE THAT ALL  
POWER IS DISCONNECTED BEFORE  
BEGINNING INSTALLATION**

**Refer to the enclosed wiring diagram. After installation, replace the original diagram with this new one.**

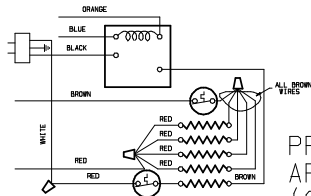
1. Remove the top panel from the unit.
2. Cut the existing red, brown and yellow heater wires as close to the heater as possible, strip the ends back 5/8". (6330- or 6330A units will have only one red and one brown wire.)
3. Remove and discard the existing heater (held by 2 nuts at the bottom and 2 screws at the top).
4. Install the new heater using the nuts and screws removed from Step 2. Use the provided wire nuts to rewire the red, brown and yellow wires. Replace the existing unit wiring diagram with the diagram 1976-503. (If installing in a 6330- or 6330A evaporator section, connect the red and yellow wires together with the unit red wire, place the existing wiring diagram with 1976A479). Route the wires so as to avoid sharp edges or contact with heater elements. Keep wires as far from heater as possible.
5. Drill a 5/8" diameter hole in the side panel as shown in Figure 1. Cut a 3/8" wide slot from the panel edge to the 5/8" hole as shown.
6. Route the power cord through the slot and insert the protective bushing into the panel.
7. Unplug the wall thermostat cable from the unit and trim back approximately 4" of the sheathing to expose the individual wires. Locate the orange wire and using the provided wire splice, connect the orange low voltage wire from the new heater. Do the same for the blue wires. The wire splice snaps over the thermostat wire and the added wire slips into the splice, use 2 pliers to depress the blade into terminals. Snap the cover in place to secure. Re-install the cable to the unit.
8. Replace the unit top.

9. The auxiliary heater provides 586 Watts of heat in addition to the existing 2344 Watts of heat *only when* the thermostat is calling for both stages of heat *and* when the accessory cord is plugged into a 115 volt outlet with power available.
10. Test the new installation to insure that it operates. Use a clamp Amp meter to determine that all heaters are operating.



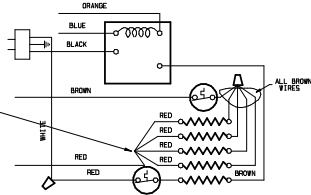
**FIGURE 1**

(-) MODEL AS BUILT

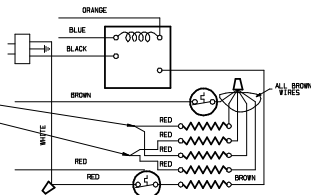


PROCEDURE TO ADAPT (6330-4561) MODEL ARCTIC PACKAGE HEATER INTO A (6330B4561) MODEL HEATER PACKAGE

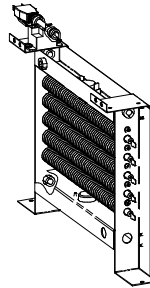
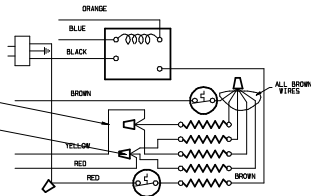
STEP 1  
REMOVE WIRE NUT



STEP 2  
REPOSITION WIRES AS SHOWN



STEP 3  
ADD 14 GA YELLOW WIRE  
CONNECT AS SHOWN  
USE EXISTING RED WIRE  
CONNECT AS SHOWN  
INSTALL INTO UNIT  
WIRE PER DIAGRAM  
1976-503. INSERT COPY  
OF 1976-503 IN PLACE  
OF EXISTING DIAGRAM



**WARNING**  
AVOID ELECTRIC SHOCK:  
INSURE THAT POWER IS  
OFF BEFORE BEGINNING  
RE-WORK