Blower Runs in High Speed Only - 2000 Series (208V/240V Heaters Only)

The blower on a 2000 Series heater will operate in low or high speed. From the factory, if the room temperature drops below the room temperature set point, the blower will run in low speed. Once the temperature in the room drops 5 degrees below set point, then the blower will start running in high speed.

A blower that has a build-up of dirt and debris can appear to only operate in one speed. Before using this flow chart, it is important to clean the blower to ensure

proper operation. **START HERE:** Verify that the blower has been cleaned, Location 16 (L16) is set to d05, and that Location 28 (L28) is set to d00. <200V Check voltage at F1 to F2. Fix field wiring. =>200V Set room temperature set Disconnect the fan Runs in High Runs in point two degrees above Runs in speed resistor. Check Speed Only OK High Speed actual room temperature. Low Speed blower operation. Check blower operation. **Blower Does** Blower Does Not Operate Not Operate Check voltage between Check resistance on the fan speed resistor. >100VAC Replace blower. damper board "F" and the 2002 = 600 ohmswhite/blue fan wire. 2003.2004 = 500 ohms2005, 2006 = 400 ohmsNo Voltage Correct Incorrect Check resistance on the fan speed resistor. Check voltage between "F" Input 2002 = 600 ohmsBad Replace Voltage and "B" quick disconnect resistor. 2003, 2004 = 500 ohmsCheck voltage across terminals on damper board. Replace 2005, 2006 = 400 ohmshigh speed relay. resistor. No Voltage Good >20 VAC Input Check and repair Check voltage across low No Voltage Voltage field wiring. speed relay. Check and repair system wiring. NOTE: Remember, locations above the set point in Location 11 (L11) cannot be No Voltage Replace adjusted until they are unlocked which is done in Location 39 (L39). microprocessor control board. ** Voltage between damper board "F" and white blue fan wire should be between 100 and 190.