

D. Main burner won't shut off when blower shuts off.  
E. Blower won't start when thermostat is closed.

1. Defective gas control:
2. Open limit switch:
3. Defective gas control:
1. Defective gas control:
2. Defective thermostat:
3. Broken thermostat wire:
4. Defective thermostat relay:
5. Defective blower motor:
6. Stuck blower wheel:
1. Defective thermostat:
2. Short in thermostat wire:
3. Stuck thermostat relay:

be clean for proper air flow. Check for proper alignment of actuator blade with blower housing; realign if necessary. If air prover switch is internally defective, replace switch.  
Check voltage across switch. Voltage reading indicates open switch. If defective replace.  
Check control dial - must be in "on" position. Check voltage at control terminals. If 12 volts is present and burner does not light, control is defective; replace.

Replace control.

Check fuses, wiring connections. Note: special fuse in heater does not change appearance when blown.  
Check by by-passing thermostat; if defective, replace.  
Check by shorting together thermostat wire connections in heater. Repair or replace thermostat wire if needed.  
Check by shorting across terminals 5 and 7 on relay. Blower should start. Replace relay if defective.  
Apply 12 volts to black and red motor leads. If motor does not run replace motor.  
Turn wheel by hand. Realign or replace wheel if necessary.  
Check for closed thermostat contacts. If damaged or defective, replace thermostat.  
Remove thermostat wire at heater. If blower stops, check wiring for shorts. Repair short or replace wire, if needed.  
Remove blue wire from terminal. Check voltage across terminals 5 and 7. No reading indicates contacts are closed. Replace relay.