

# GAS FURNACE AND HEATER TROUBLESHOOTING CHART

Problem	Possible Cause	Solution
Furnace won't run	1. No power.	1. Check for blown fuses or tripped circuit breakers at main entrance panel or at separate entrance panel; restore circuit.
	2. Switch off.	2. Turn on separate power switch on or near furnace.
	3. Motor overload.	3. Wait 30 minutes; press reset button. Repeat if necessary.
	4. Pilot light out.	4. Relight pilot.
	5. No gas.	5. Make sure gas valve to furnace is fully open.
Not enough heat	1. Thermostat set too low.	1. Raise thermostat setting five degrees.
	2. Filter dirty.	2. Clean or replace filter.
	3. Blower clogged.	3. Clean blower assembly.
	4. Registers closed or blocked.	4. Make sure all registers are open; make sure they are not blocked by rugs, drapes, or furniture.
	5. System out of balance.	5. Balance system; see section on forced-air systems.
	6. Blower belt loose or broken.	6. Adjust or replace belt.
	7. Burner dirty.	7. Call a professional.
Pilot won't light	1. Pilot opening blocked.	1. Clean pilot opening.
	2. No gas.	2. Make sure pilot light button is fully depressed; make sure gas valve to furnace is fully open.
Pilot won't stay lit	1. Loose or faulty thermocouple.	1. Tighten thermocouple nut slightly; if no results, replace thermocouple.
	2. Pilot flame set too low.	2. Adjust pilot so flame is about two inches long.
	3. Electric pilot faulty.	3. Call a professional.
Furnace turns on and off repeatedly	1. Filter dirty.	1. Clean or replace filter.
	2. Motor and/or blower needs lubrication.	2. If motor and blower have oil ports, lubricate.
	3. Blower clogged.	3. Clean blower assembly.
Blower won't stop running	1. Blower control set wrong.	1. Reset thermostat from ON to AUTO.
	2. Limit switch set wrong.	2. Reset limit switch for stop/start cycling.
	3. Limit control needs adjustment.	3. Call a professional.