

FORCED-AIR SYSTEM TROUBLESHOOTING CHART

Problem	Possible Cause	Solution
Motor won't run	1. No power.	1. Check for blown fuses or tripped circuit breakers at main entrance panel, at separate entrance panel, and on furnace; restore circuit. Also see charts for specific furnaces.
	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.
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. Blower running too slow.	5. Increase blower speed.
	6. Blower loose.	6. Tighten nut that holds blower to drive shaft.
	7. Blower belt misaligned or broken.	7. Adjust or replace belt.
	8. Duct joints loose.	8. Trace ducts and wrap leaking joints with duct tape.
	9. Ducts losing heat.	9. Insulate ducts.
Uneven heating	1. System out of balance.	1. Balance system.
Blower won't stop running	1. Blower control set wrong.	1. Reset thermostat from ON to AUTO.
	2. Limit switch set wrong (gas or oil furnace).	2. Reset limit switch; see sections on gas and oil furnaces.
	3. Limit control needs adjustment.	3. Call a professional.
System noisy	1. Access panels loose.	1. Mount and fasten access panels correctly.
	2. Blower running too fast.	2. Decrease blower speed.
	3. Belts sticking, worn, or damaged.	3. Spray squeaking drive belts with belt dressing; replace worn belts.
	4. Blower belt too loose or too tight.	4. Adjust belt.
	5. Blower/motor pulleys loose or misaligned.	5. Tighten pulleys on shafts, and/or realign pulleys.
	6. Blower/motor needs lubrication.	6. Lubricate blower/motor.
	7. Ducting loose.	7. Make sure ducts are tightly fastened to framing with duct hangers; wrap joints with duct tape.