


Ultimate HVAC Troubleshooting Cheat Sheet

<p>No Heating or Cooling:</p> <ul style="list-style-type: none"><input type="checkbox"/> Check thermostat settings and batteries<input type="checkbox"/> Ensure power supply to the unit is on<input type="checkbox"/> Inspect for blown fuses or tripped circuit breakers<input type="checkbox"/> Check for gas supply (for gas furnaces)<input type="checkbox"/> Test for ignition system issues (for gas furnaces)<input type="checkbox"/> Inspect and replace a faulty compressor or capacitor (for air conditioners)<input type="checkbox"/> Verify proper airflow and clean or replace air filters	<p>Insufficient Heating or Cooling:</p> <ul style="list-style-type: none"><input type="checkbox"/> Clean or replace dirty air filters<input type="checkbox"/> Check for refrigerant leaks and recharge refrigerant levels (for air conditioners)<input type="checkbox"/> Inspect and clean evaporator and condenser coils<input type="checkbox"/> Proper insulation and sealing around ductwork<input type="checkbox"/> Check for blockages in ductwork or vents<input type="checkbox"/> Verify adequate airflow and adjust blower speed settings<input type="checkbox"/> Install zoning systems to balance temperatures in different areas
<p>Poor Airflow:</p> <ul style="list-style-type: none"><input type="checkbox"/> Clean or replace dirty air filters<input type="checkbox"/> Check for blockages in ductwork or vents<input type="checkbox"/> Seal leaks in ductwork<input type="checkbox"/> Verify proper sizing and installation of ductwork<input type="checkbox"/> Clean or replace the blower motor or fan	<p>High Energy Bills:</p> <ul style="list-style-type: none"><input type="checkbox"/> Clean or replace dirty air filters<input type="checkbox"/> Seal leaks in ductwork<input type="checkbox"/> Upgrade to a more energy-efficient HVAC system<input type="checkbox"/> Install a programmable thermostat<input type="checkbox"/> Regular maintenance to optimize system efficiency
<p>Frequent Cycling On and Off:</p> <ul style="list-style-type: none"><input type="checkbox"/> Check thermostat settings and adjust temperature differentials<input type="checkbox"/> Clean or replace dirty air filters<input type="checkbox"/> Inspect and replace faulty thermostats<input type="checkbox"/> Ensure proper sizing of the HVAC system<input type="checkbox"/> Check for refrigerant leaks and recharge refrigerant levels (for air conditioners)	<p>Strange Odors:</p> <ul style="list-style-type: none"><input type="checkbox"/> Clean or replace dirty air filters<input type="checkbox"/> Inspect for mold or mildew growth in ductwork<input type="checkbox"/> Check for burnt wires or electrical issues<input type="checkbox"/> Look signs of rodents or animals living in HVAC<input type="checkbox"/> Remove any debris or foreign objects from the system
<p>Unusual Noises:</p> <ul style="list-style-type: none"><input type="checkbox"/> Tighten or replace loose or worn belts<input type="checkbox"/> Lubricate moving parts such as bearings or motors<input type="checkbox"/> Tighten or replace loose or worn fan blades<input type="checkbox"/> Clean debris from the fan blades or housing<input type="checkbox"/> Replace worn or damaged compressor components	<p>Thermostat Malfunctions:</p> <ul style="list-style-type: none"><input type="checkbox"/> Replace batteries in thermostats<input type="checkbox"/> Recalibrate or replace faulty thermostats<input type="checkbox"/> Check for loose or corroded wiring connections 
<p>Frozen Evaporator Coils:</p> <ul style="list-style-type: none"><input type="checkbox"/> Check for restricted airflow and replace air filters<input type="checkbox"/> Inspect for refrigerant leaks and recharge levels<input type="checkbox"/> Clean dirty coils that stops heat transfer<input type="checkbox"/> Issues with the defrost cycle in heat pumps<input type="checkbox"/> Verify operation of the blower motor and fan	<p>Leaks or Moisture:</p> <ul style="list-style-type: none"><input type="checkbox"/> Repair or replace damaged condensate drain lines<input type="checkbox"/> Seal leaks in refrigerant lines<input type="checkbox"/> Clean and clear condensate drain pans<input type="checkbox"/> Check for blockages in the condensate drain line