

# Troubleshooting Basic Air Conditioning Problems

Problem	Cause	Solution
There's little or no air coming from the vents (and you're sure it's on)	<ul style="list-style-type: none"> <li>• The A/C fuse is blown</li> <li>• Broken or loose wires or connections</li> <li>• The on off switch is defective</li> </ul>	<ul style="list-style-type: none"> <li>• Check and/or replace fuse</li> <li>• Check and/or repair connections</li> <li>• Replace switch</li> </ul>
The air coming from the vents is not cool enough	<ul style="list-style-type: none"> <li>• Windows and air vent wings open</li> <li>• The compressor belt is slipping</li> <li>• Heater is on</li> <li>• Condenser is clogged with debris</li> <li>• Refrigerant has escaped through a leak in the system</li> <li>• Receiver drier is plugged</li> </ul>	<ul style="list-style-type: none"> <li>• Close windows and vent wings</li> <li>• Tighten or replace compressor belt</li> <li>• Shut heater off</li> <li>• Clean the condenser</li> <li>• Check system</li> <li>• Service system</li> </ul>
The air has an odor	<ul style="list-style-type: none"> <li>• Vacuum system is disrupted</li> <li>• Odor producing substances on the evaporator case</li> <li>• Condensation has collected in the bottom of the evaporator housing</li> </ul>	<ul style="list-style-type: none"> <li>• Have the system checked/repared</li> <li>• Clean the evaporator case</li> <li>• Clean the evaporator housing drains</li> </ul>
System is noisy or vibrating	<ul style="list-style-type: none"> <li>• Compressor belt or mountings loose</li> <li>• Air in the system</li> </ul>	<ul style="list-style-type: none"> <li>• Tighten or replace belt; tighten mounting bolts</li> <li>• Have the system serviced</li> </ul>
Sight glass condition		
Constant bubbles, foam or oil streaks	<ul style="list-style-type: none"> <li>• Undercharged system</li> </ul>	<ul style="list-style-type: none"> <li>• Charge the system</li> </ul>
Clear sight glass, but no cold air	<ul style="list-style-type: none"> <li>• No refrigerant at all</li> </ul>	<ul style="list-style-type: none"> <li>• Check and charge the system</li> </ul>
Clear sight glass, but air is cold	<ul style="list-style-type: none"> <li>• System is OK</li> </ul>	
Clouded with milky fluid	<ul style="list-style-type: none"> <li>• Receiver drier is leaking dessicant</li> </ul>	<ul style="list-style-type: none"> <li>• Have system checked</li> </ul>
Large difference in temperature of lines	<ul style="list-style-type: none"> <li>• System undercharged</li> </ul>	<ul style="list-style-type: none"> <li>• Charge and leak test the system</li> </ul>

# Ac Troubleshooting System Evaluation Guide

**Daniela Niemeyer**



## Ac Troubleshooting System Evaluation Guide:

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