

## Diagnostics with Phenomenon

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

### 9. Diagnostics with Phenomenon

#### A: GENERAL DIAGNOSTIC TABLE

Symptom	Problem parts
A/C system fails to operate.	<ul style="list-style-type: none"> <li>• Fuse</li> <li>• Connector (Poor contact)</li> <li>• Ground</li> <li>• Auto A/C control module</li> <li>• Blower fan motor</li> <li>• Blower fan relay</li> <li>• A/C relay</li> <li>• Compressor (Magnet clutch)</li> <li>• Evaporator sensor</li> </ul>
Fuse is blown out.	<ul style="list-style-type: none"> <li>• Fuse</li> <li>• Connector (Poor contact)</li> </ul>
Illumination cannot dim.	<ul style="list-style-type: none"> <li>• Fuse</li> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> </ul>
Blower fan does not rotate or fan speed cannot be controlled.	<ul style="list-style-type: none"> <li>• Fuse</li> <li>• Connector (Poor contact)</li> <li>• Ground</li> <li>• Auto A/C control module</li> <li>• Blower fan motor</li> <li>• Blower fan relay</li> </ul>
Unable to switch suction vents.	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Intake door actuator</li> </ul>
Unable to switch vents.	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Mode door actuator</li> </ul>
The compartment temperature does not rise. (Warm air does not come out.)	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> </ul>
The compartment temperature does not lower. (Cold air does not come out.)	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• A/C relay</li> <li>• Compressor (Magnet clutch)</li> <li>• Radiator fan motor</li> <li>• Radiator fan relay</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> </ul>
Compartment temperature is higher or lower than setting temperature.	<ul style="list-style-type: none"> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> </ul>
Compartment temperature does not quickly respond to setting temperature.	<ul style="list-style-type: none"> <li>• Air mix door actuator</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> </ul>
Radiator fan does not rotate during A/C operation.	<ul style="list-style-type: none"> <li>• Radiator fan motor</li> <li>• Radiator fan relay</li> </ul>