

# Diagnostics with Phenomenon

## HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

### 9. Diagnostics with Phenomenon

#### A: INSPECTION

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>