

9. Diagnostics with Phenomenon

A: INSPECTION

Symptom	Problem parts
A/C system fails to operate.	<ul style="list-style-type: none">• Fuse (M/B No. 15, F/B No. 7, 22, 31)• Connector (Poor contact)• Ground• Auto A/C control module• Blower fan motor• Blower fan relay• A/C relay• Compressor (Magnet clutch)• Evaporator sensor
Fuse is blown out.	<ul style="list-style-type: none">• Fuse (M/B No. 8, F/B No. 22, 31)• Connector (Poor contact)
Illumination cannot dim.	<ul style="list-style-type: none">• Fuse (M/B No. 8, F/B No. 22, 31)• Connector (Poor contact)• Illumination control switch• Auto A/C control module• Body integrated unit
Blower fan does not rotate or fan speed cannot be controlled.	<ul style="list-style-type: none">• Fuse (F/B No. 22, 27, 28)• Connector (Poor contact)• Ground• Auto A/C control module• Blower fan motor• Blower fan relay• Power transistor or blower resistor
Unable to switch suction vents.	<ul style="list-style-type: none">• Connector (Poor contact)• Auto A/C control module• Intake door actuator
Unable to switch blow vents.	<ul style="list-style-type: none">• Connector (Poor contact)• Auto A/C control module• Mode door actuator
The compartment temperature does not rise. (Warm air not emitted.)	<ul style="list-style-type: none">• Connector (Poor contact)• Auto A/C control module• Air mix door actuator• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor• In-vehicle sensor aspirator hose• Aspirator body
The compartment temperature does not lower. (Cold air not emitted.)	<ul style="list-style-type: none">• Connector (Poor contact)• Auto A/C control module• Air mix door actuator• A/C relay• Compressor (Magnet clutch)• Radiator fan motor• Radiator fan relay• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor• In-vehicle sensor aspirator hose• Aspirator body
Compartment temperature is higher or lower than setting temperature.	<ul style="list-style-type: none">• Auto A/C control module• Air mix door actuator• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor• In-vehicle sensor aspirator hose• Aspirator body

Diagnostics with Phenomenon

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

Symptom	Problem parts
Compartment temperature does not quickly respond to setting temperature.	<ul style="list-style-type: none">• Air mix door actuator• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor• In-vehicle sensor aspirator hose• Aspirator body
Radiator fan does not rotate during A/C operation.	<ul style="list-style-type: none">• Radiator fan motor• Radiator fan relay
Seat heater does not run.	<ul style="list-style-type: none">• Seat thermistor• Seat heater relay• Seat heater• Auto A/C control module• Front control panel