

Diagnostics with Phenomenon

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

15. Diagnostics with Phenomenon

A: INSPECTION

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