

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