

2. Air Conditioning System

A: WIRING DIAGRAM

Refer to “Air Conditioning System” in the wiring diagram. <Ref. to WI-51, WIRING DIAGRAM, Air Conditioning System.>

B: ELECTRICAL SPECIFICATION

Refer to “Auto A/C Control Module I/O Signal” of “HVAC SYSTEM (DIAGNOSTICS)” section. <Ref. to AC(diag)-6, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

C: INSPECTION

Refer to “Basic Diagnostic Procedure” of “HVAC SYSTEM (DIAGNOSTICS)” section. <Ref. to AC(diag)-2, Basic Diagnostic Procedure.>

D: NOTE

For procedure of each component in the air conditioning system, refer to the respective section.

- Blower motor unit assembly: <Ref. to AC-34, Blower Motor Unit Assembly.>
- Blower motor: <Ref. to AC-37, Blower Motor.>
- Power transistor (auto A/C model): <Ref. to AC-39, Power Transistor (Auto A/C Model).>
- Blower resistor (manual A/C model): <Ref. to AC-40, Blower Resistor (Manual A/C Model).>
- Control panel: <Ref. to AC-46, Control Panel.>
- Control module: <Ref. to AC-54, Control Unit.>
- Compressor: <Ref. to AC-55, Compressor.>
- Condenser: <Ref. to AC-60, Condenser.>
- Heater and cooling unit: <Ref. to AC-64, Heater and Cooling Unit.>
- Evaporator: <Ref. to AC-67, Evaporator.>
- Expansion valve: <Ref. to AC-74, Expansion Valve.>
- Hose & pipe: <Ref. to AC-76, Hose and Pipe.>
- Ambient sensor: <Ref. to AC-78, Ambient Sensor.>
- Sunload sensor (auto A/C model): <Ref. to AC-80, Sunload Sensor (Auto A/C Model).>
- In-vehicle sensor (auto A/C model): <Ref. to AC-82, In-Vehicle Sensor (Auto A/C Model).>
- Evaporator sensor: <Ref. to AC-87, Evaporator Sensor.>
- Intake door actuator: <Ref. to AC-90, FRESH/RECIRC Door Actuator.>
- Mode door actuator: <Ref. to AC-92, Mode Door Actuator.>
- Air mix door actuator: <Ref. to AC-95, Air Mix Door Actuator.>
- Rear vent actuator: <Ref. to AC-100, Rear Vent Door Actuator.>