

## 2. Air Conditioning System

### A: WIRING DIAGRAM

Refer to “Air Conditioning System” in the wiring diagram.

- Gasoline engine model

Manual A/C model: <Ref. to WI(w/o HEV)-45, MANUAL A/C MODEL, WIRING DIAGRAM, Air Conditioning System.>

Auto A/C model: <Ref. to WI(w/o HEV)-47, AUTO A/C MODEL, WIRING DIAGRAM, Air Conditioning System.>

- HEV model: <Ref. to WI(HEV)-56, WIRING DIAGRAM, Air Conditioning System.>

### B: ELECTRICAL SPECIFICATION

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

### C: INSPECTION

Refer to “Basic Diagnostic Procedure” for “HVAC SYSTEM (AUTO A/C) (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-38, Blower Motor Unit Assembly.>
- Blower motor: <Ref. to AC-40, Blower Motor.>
- Power transistor (auto A/C model): <Ref. to AC-42, Power Transistor (Auto A/C Model).>
- Blower resistor (manual A/C model): <Ref. to AC-43, Blower Resistor (Manual A/C Model).>
- Control panel: <Ref. to AC-50, Control Panel.>
- Compressor: <Ref. to AC-53, Compressor.>
- Condenser: <Ref. to AC-57, Condenser.>
- Heater and cooling unit: <Ref. to AC-60, Heater and Cooling Unit.>
- Evaporator: <Ref. to AC-63, Evaporator.>
- Expansion valve: <Ref. to AC-69, Expansion Valve.>
- Hose & pipe: <Ref. to AC-71, Hose and Pipe.>
- Ambient sensor: <Ref. to AC-77, Ambient Sensor.>
- Sunload sensor (auto A/C model): <Ref. to AC-81, Sunload Sensor (Auto A/C Model).>
- In-vehicle sensor (auto A/C model) (gasoline engine model): <Ref. to AC-83, In-Vehicle Sensor (Auto A/C Model).>
- Evaporator sensor: <Ref. to AC-89, Evaporator Sensor.>
- Intake door actuator: <Ref. to AC-97, FRESH/RECIRC Door Actuator.>
- Mode door actuator: <Ref. to AC-101, Mode Door Actuator.>
- Air mix door actuator: <Ref. to AC-102, Air Mix Door Actuator.>
- Temperature and humidity sensor (HEV model): <Ref. to AC-86, Temperature and Humidity Sensor.>