

## Ambient Sensor (Auto A/C Model)

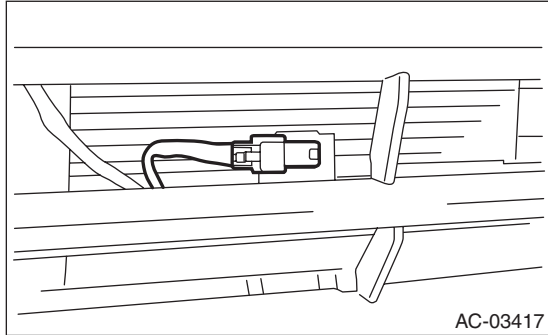
HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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### 22. Ambient Sensor (Auto A/C Model)

#### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Disconnect the ambient sensor connector.
- 3) Remove the ambient sensor from the radiator lower panel.



#### B: INSTALLATION

Install each part in the reverse order of removal.

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HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

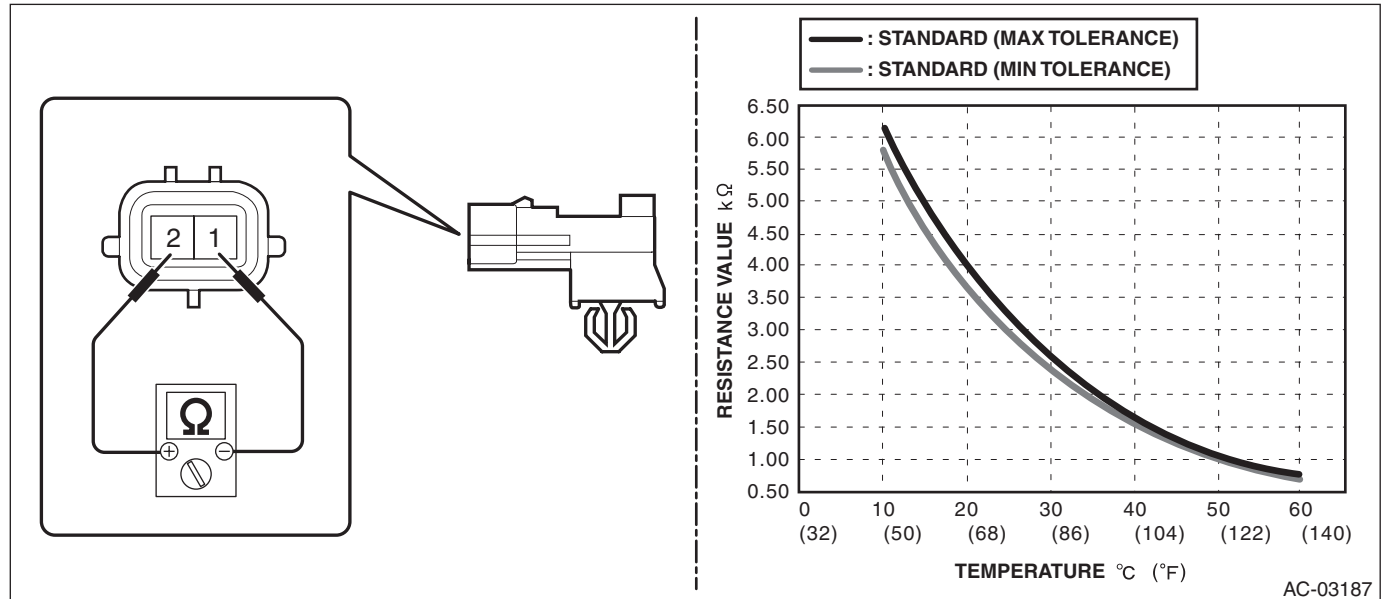
## C: INSPECTION

### Preparation tool: Circuit tester

- 1) Visually check the ambient sensor for dirt or damage, and clean or replace as necessary.
- 2) Check the resistance between ambient sensor terminals.

### CAUTION:

During inspection, be careful not to touch the sensor end in order to avoid misjudgment due to body temperature.



| Terminal No. | Inspection conditions | Standard       |
|--------------|-----------------------|----------------|
| 1 — 2        | 10°C                  | 5.82 — 6.18 kΩ |
|              | 15°C                  | 4.58 — 4.87 kΩ |
|              | 20°C                  | 3.64 — 3.86 kΩ |
|              | 25°C                  | 2.91 — 3.09 kΩ |
|              | 30°C                  | 2.35 — 2.49 kΩ |
|              | 35°C                  | 1.9 — 2.02 kΩ  |
|              | 40°C                  | 1.56 — 1.65 kΩ |
|              | 45°C                  | 1.28 — 1.36 kΩ |
|              | 50°C                  | 1.06 — 1.12 kΩ |
|              | 55°C                  | 0.88 — 0.93 kΩ |
|              | 60°C                  | 0.74 — 0.78 kΩ |

- 3) Replace the ambient sensor if the inspection result is not within the standard value.