

## Heater Core Sensor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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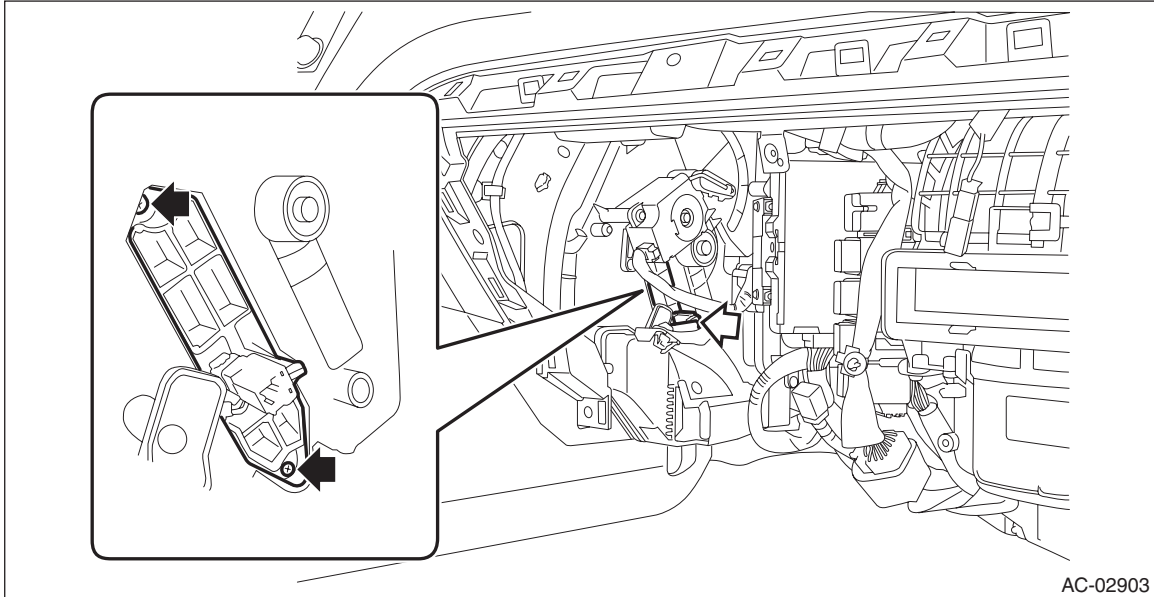
### 27.Heater Core Sensor

#### A: REMOVAL

NOTE:

Heater core sensor is installed only to HEV model.

- 1) Remove the glove box. <Ref. to EI-78, REMOVAL, Glove Box.>
- 2) Remove the heater core sensor.
  - (1) Disconnect the connector.
  - (2) Remove the screw and remove the heater core sensor.



#### B: INSTALLATION

Install each part in the reverse order of removal.

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## C: INSPECTION

### UNIT INSPECTION

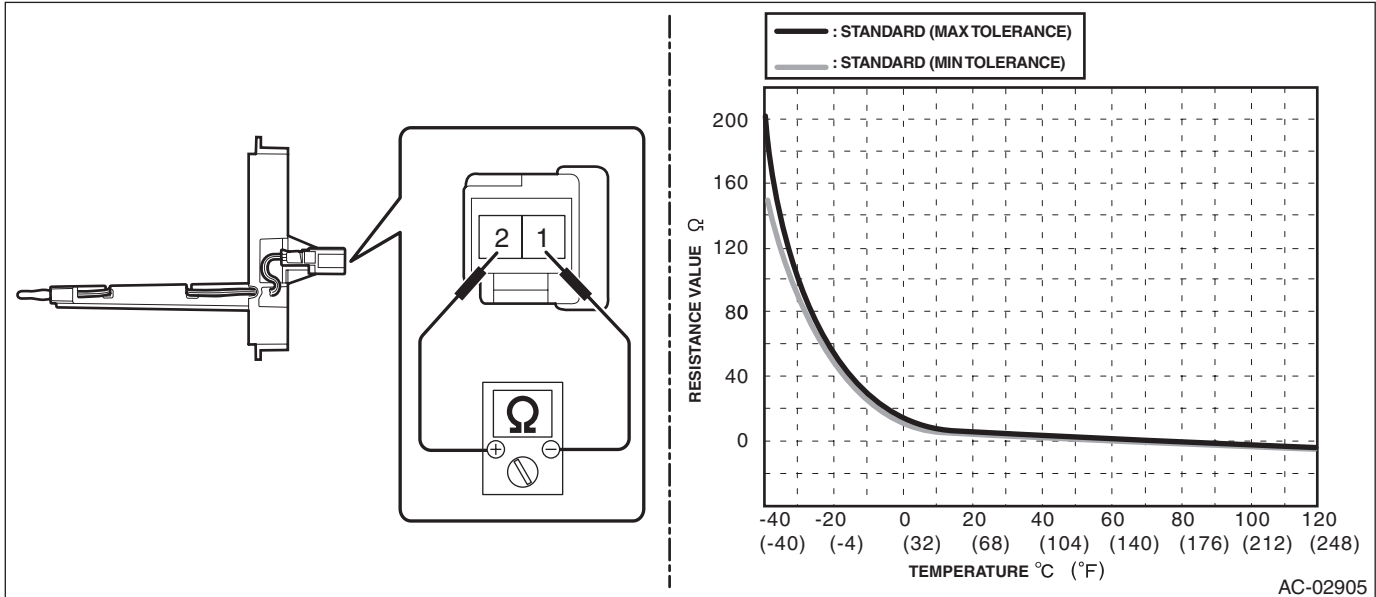
**Preparation tool:**

**Circuit tester**

1) Measure the resistance between heater core sensor terminals.

### CAUTION:

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



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Terminal No.	Inspection conditions	Standard
1 — 2	-40°C	151.6 — 201.1 $\Omega$
	-35°C	109.9 — 142.7 $\Omega$
	-30°C	80.55 — 102.4 $\Omega$
	-25°C	59.69 — 74.44 $\Omega$
	-20°C	44.69 — 54.69 $\Omega$
	-15°C	33.79 — 40.61 $\Omega$
	-10°C	25.79 — 30.45 $\Omega$
	-5°C	19.86 — 23.06 $\Omega$
	0°C	15.42 — 17.61 $\Omega$
	5°C	12.05 — 13.55 $\Omega$
	10°C	9.497 — 10.52 $\Omega$
	15°C	7.538 — 8.229 $\Omega$
	20°C	6.026 — 6.487 $\Omega$
	25°C	4.85 — 5.15 $\Omega$
	30°C	3.877 — 4.172 $\Omega$
	35°C	3.12 — 3.4 $\Omega$
	40°C	2.527 — 2.788 $\Omega$
	45°C	2.059 — 2.299 $\Omega$
	50°C	1.687 — 1.905 $\Omega$
	55°C	1.39 — 1.588 $\Omega$
	60°C	1.152 — 1.33 $\Omega$
	65°C	0.9587 — 1.119 $\Omega$
	70°C	0.8021 — 0.9457 $\Omega$
	75°C	0.6743 — 0.8029 $\Omega$
	80°C	0.5693 — 0.6846 $\Omega$
	85°C	0.4828 — 0.586 $\Omega$
	90°C	0.4112 — 0.5036 $\Omega$
	95°C	0.3516 — 0.4345 $\Omega$
	100°C	0.3017 — 0.3761 $\Omega$
	105°C	0.26 — 0.3268 $\Omega$
	110°C	0.2248 — 0.2849 $\Omega$
	115°C	0.195 — 0.2491 $\Omega$
	120°C	0.1697 — 0.2186 $\Omega$

2) Replace the heater core sensor if the inspection result is not within the standard value.