

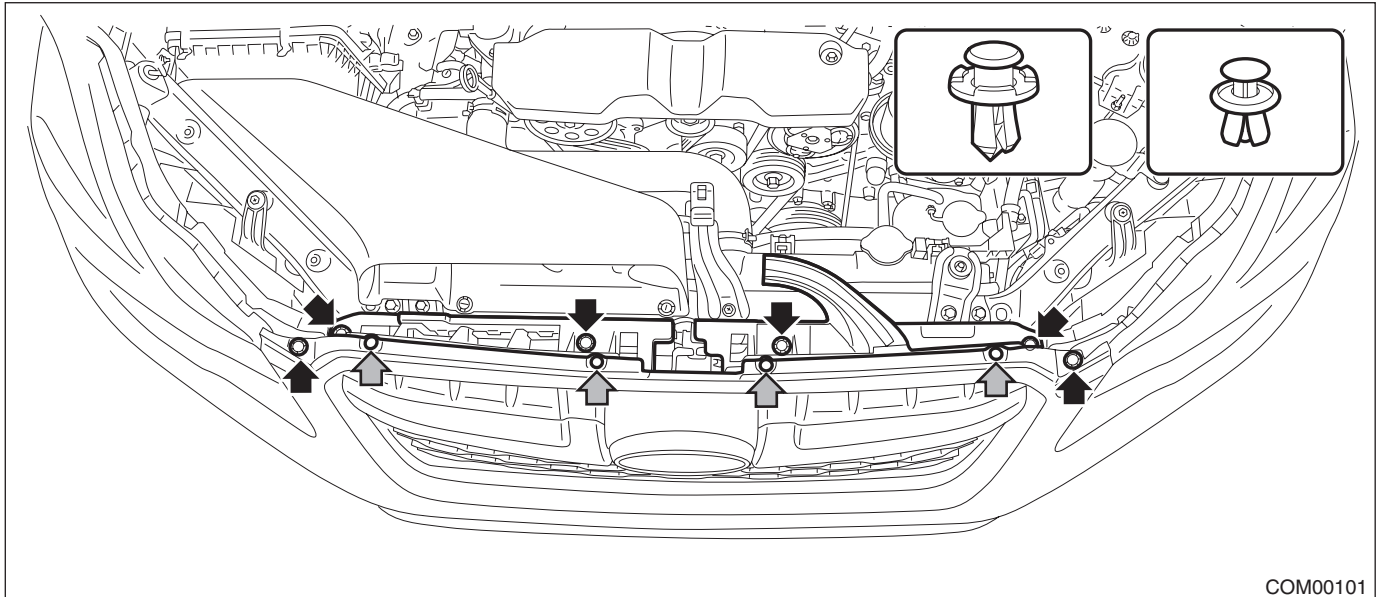
## 22.Ambient Sensor

### A: REMOVAL

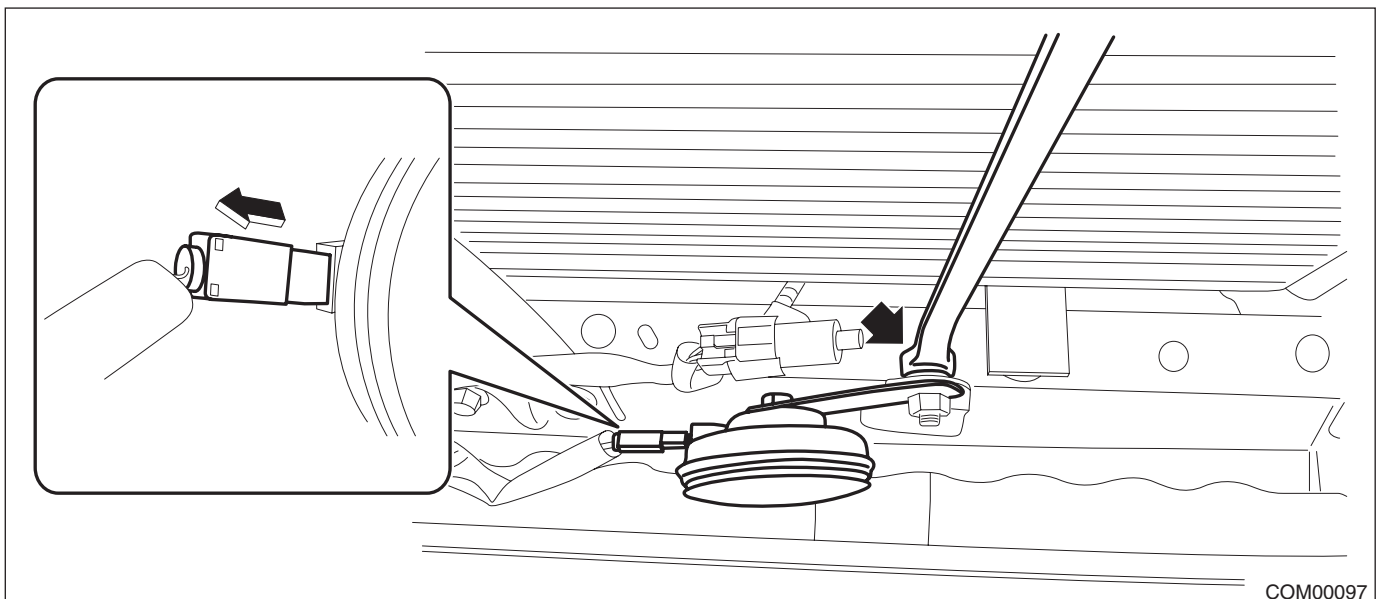
- 1) Disconnect the ground cable from battery.
- 2) Remove the clip, and remove the bracket - grille.

#### NOTE:

To prevent damage to the bracket - grille, make sure to remove all clips.



- 3) Remove the horn assembly - Lo.
  - (1) Disconnect the connector.
  - (2) Remove the horn bracket mounting bolt, and remove the horn assembly - Lo.

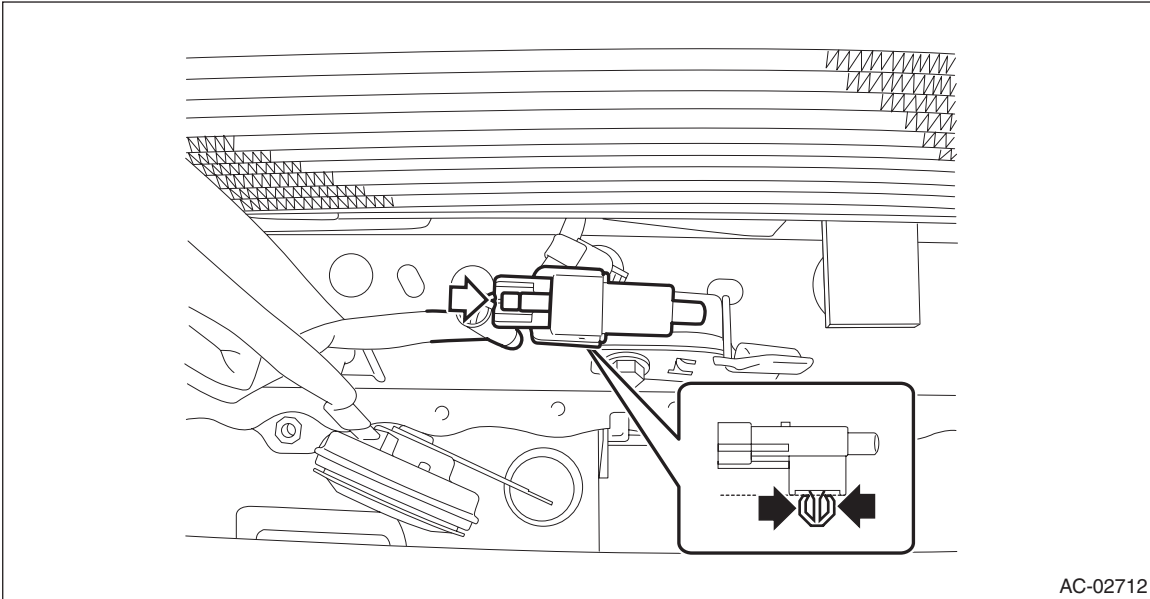


## Ambient Sensor

### HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

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- 4) Remove the ambient sensor.
- (1) Disconnect the connector.
  - (2) Release the claws, and then remove the ambient sensor from the horn bracket.



## B: INSTALLATION

Install each part in the reverse order of removal.

### ***Tightening torque:***

***Horn assembly - Lo: 18 N·m (1.84 kgf-m, 13.3 ft-lb)***

# Ambient Sensor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

## C: INSPECTION

### UNIT INSPECTION

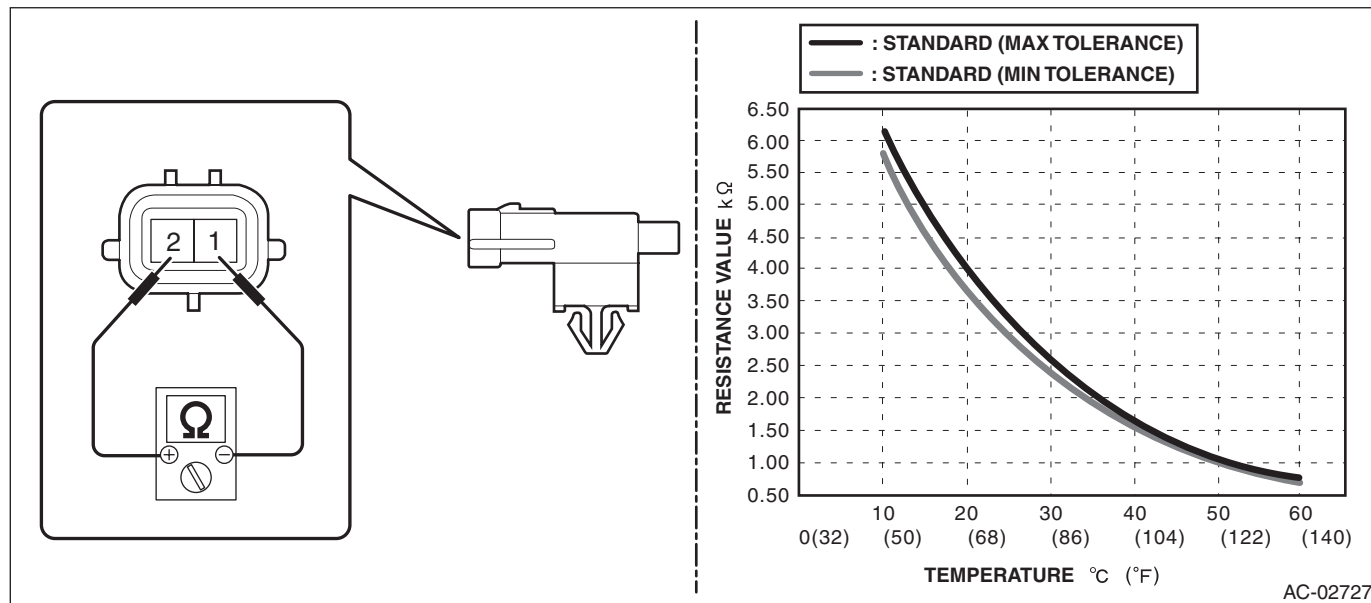
#### PREPARATION TOOL:

##### 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.