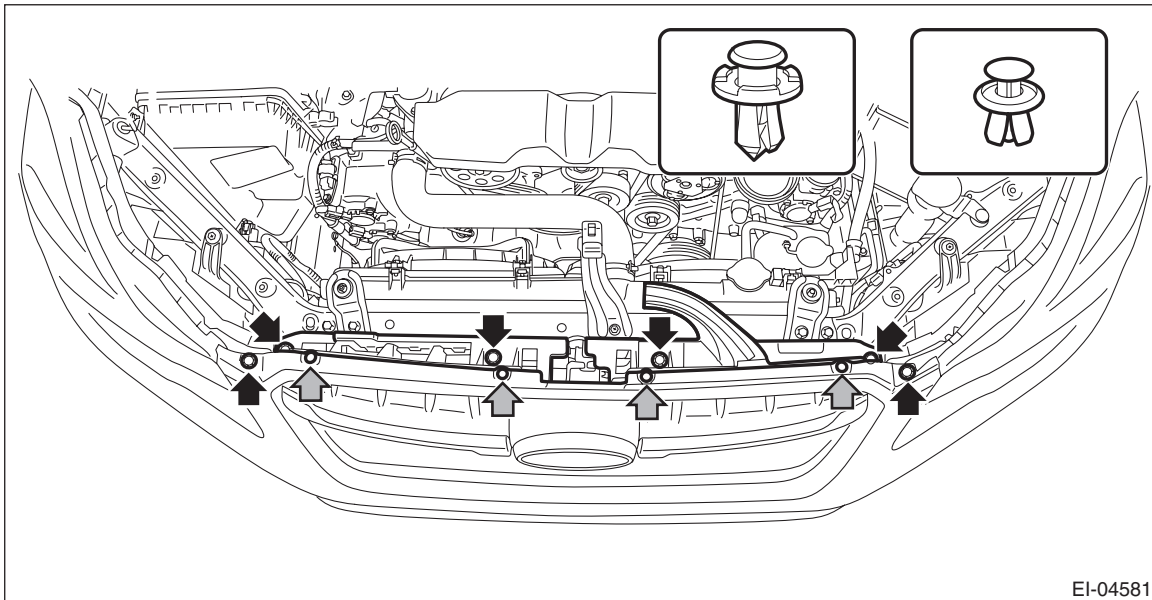# 22.Ambient Sensor

A: REMOVAL

1. GASOLINE ENGINE MODEL

Except for XV model

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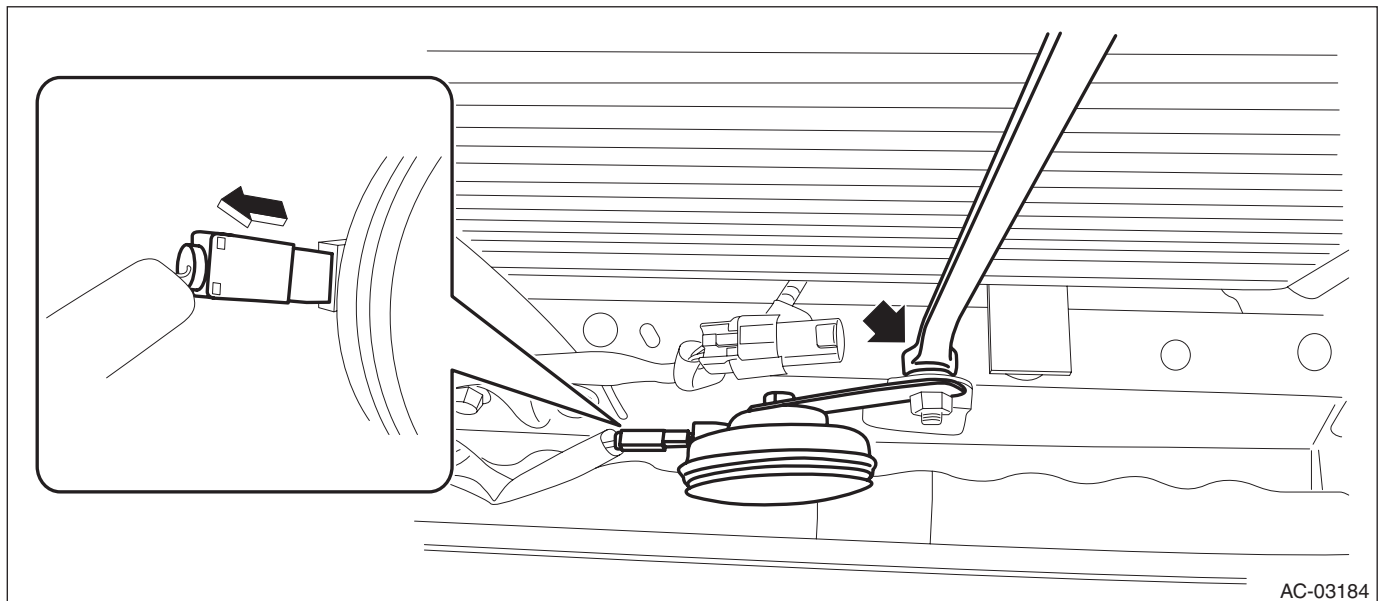2) Remove the clip, and remove the bracket - grille.

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

EI-04581

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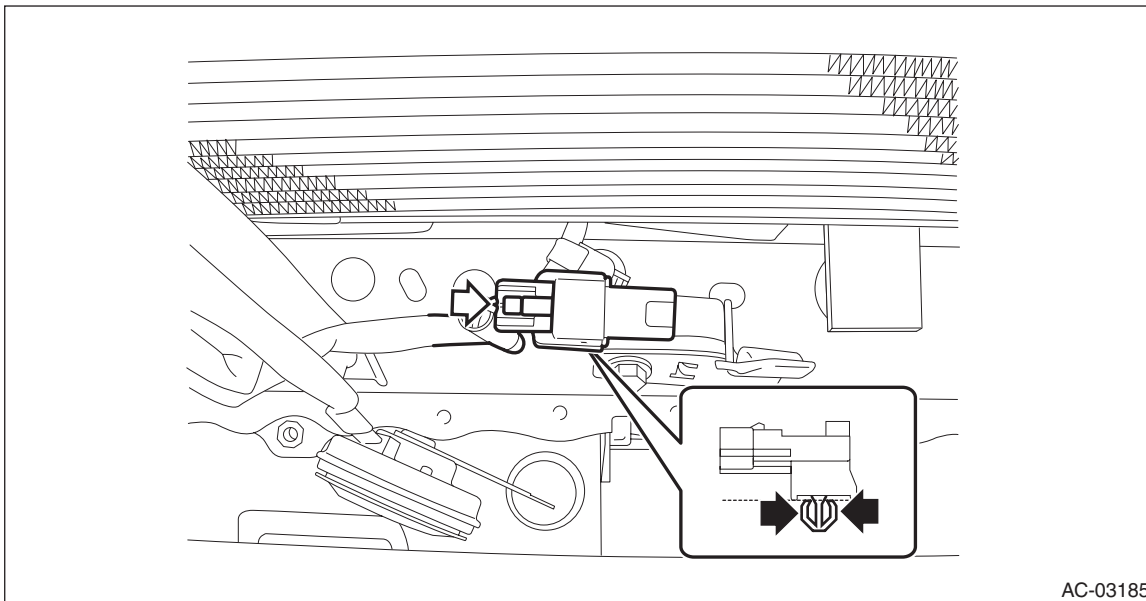   (2) Remove the horn bracket mounting bolt, and remove the horn assembly - Lo.

AC-03184

Ambient Sensor

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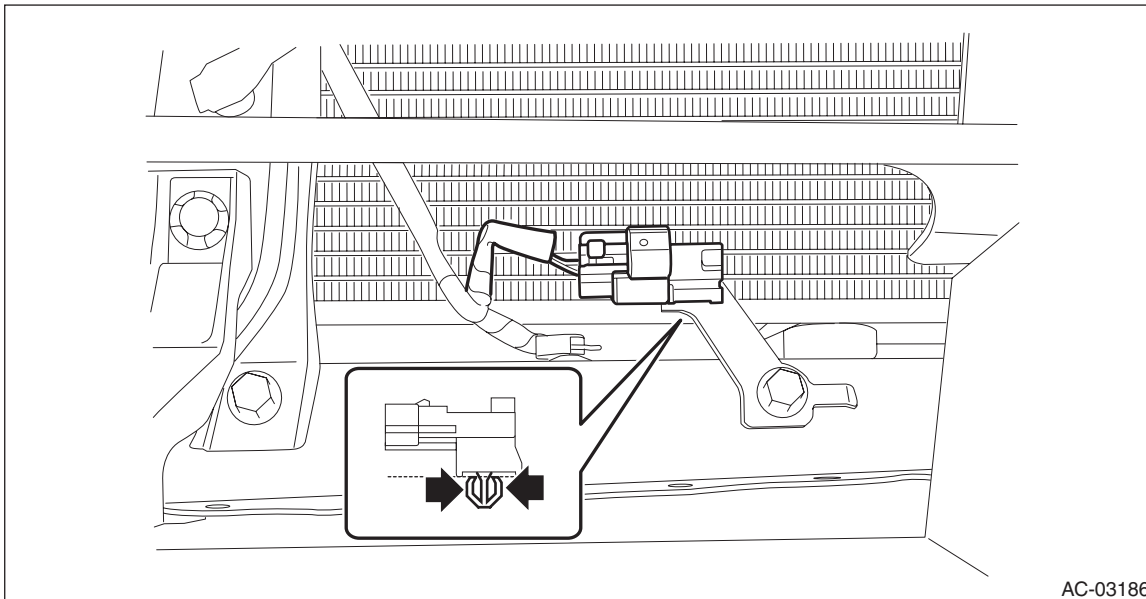

AC-03185

XV model

1) Disconnect the ground cable from battery.
2) Remove the ambient sensor.
   (1) Disconnect the connector.
   (2) Release the claws, and then remove the ambient sensor from the bracket.

AC-03186

2. HEV MODEL

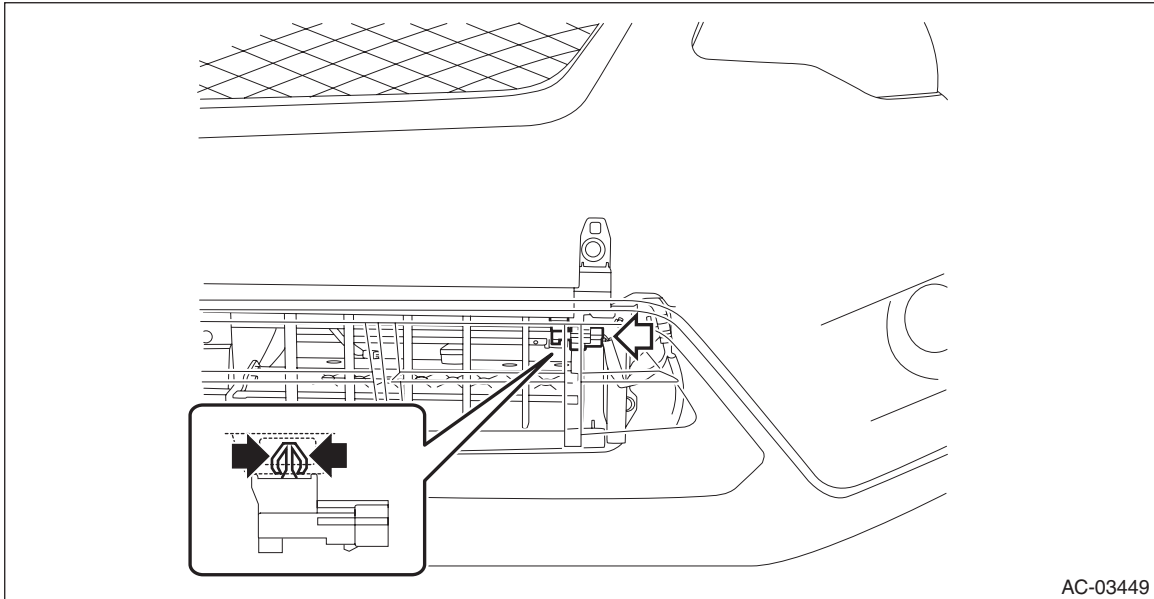1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery, disconnect the ground terminal from 12V engine restart battery sensor.

2) Remove the ambient sensor.

    (1) Release the claws and pull out the ambient sensor.

    (2) Disconnect the connector and remove the ambient sensor.

AC-03449

B: INSTALLATION

Install each part in the reverse order of removal.

Tightening torque:

   Horn assembly - Lo (gasoline engine, except for XV model): 18 N·m (1.84 kgf-m, 13.3 ft-lb)
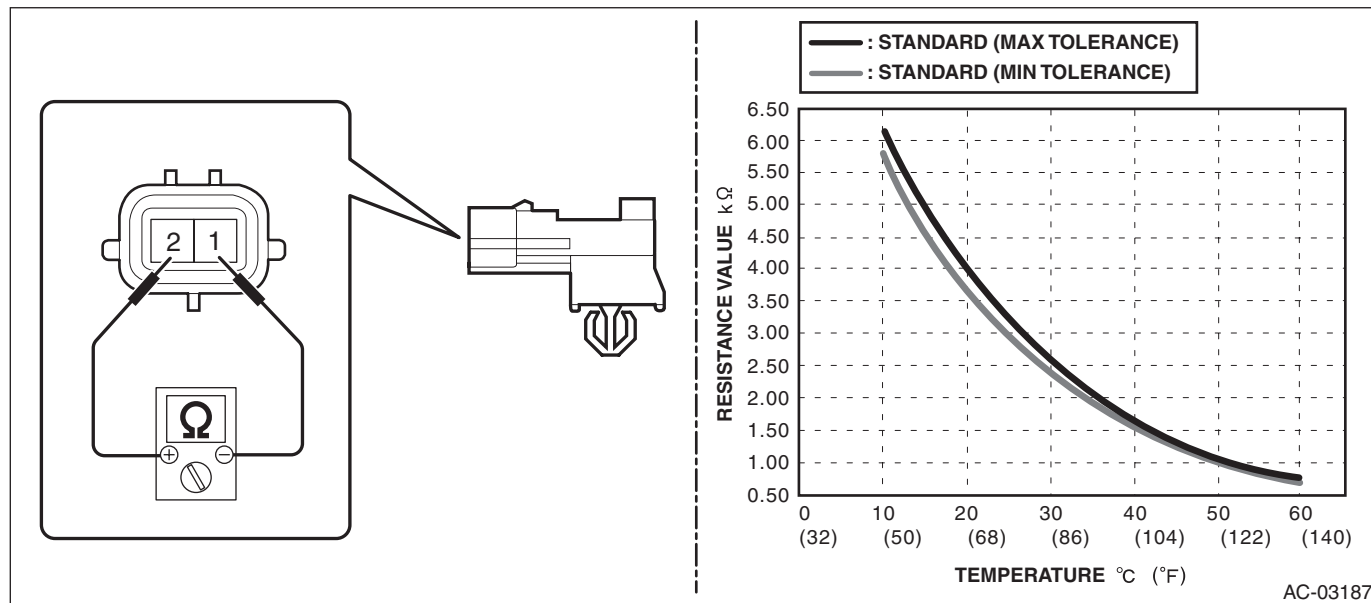
C: INSPECTION

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.

AC-03187

Terminal No.	Inspection conditions	Standard
	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
1 — 2	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.