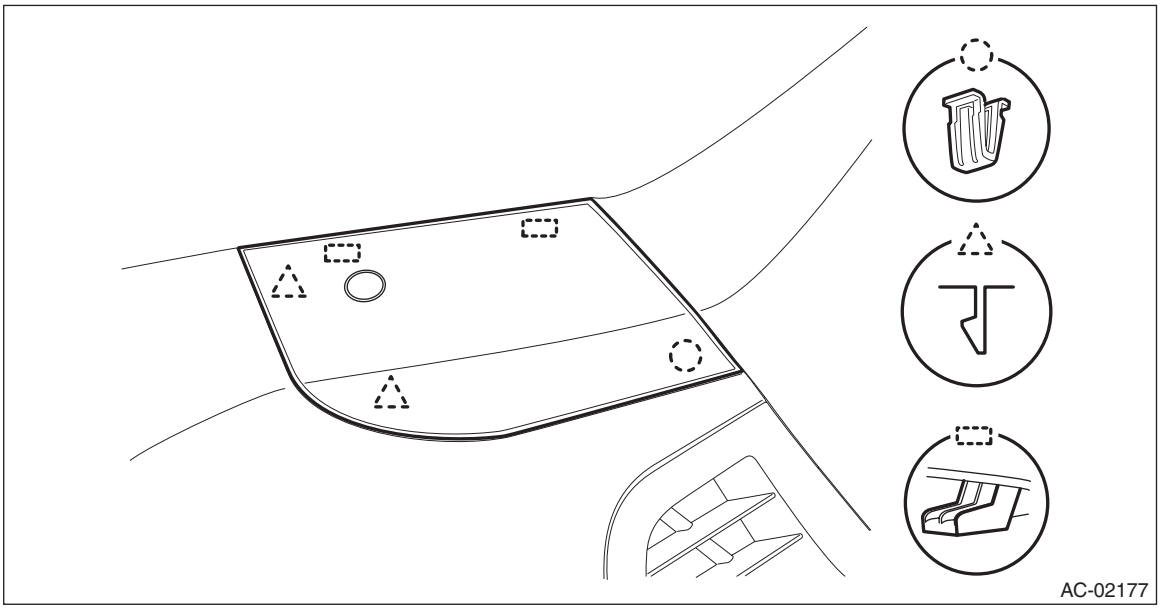
24.Sunload Sensor (Auto A/C Model)

A: REMOVAL

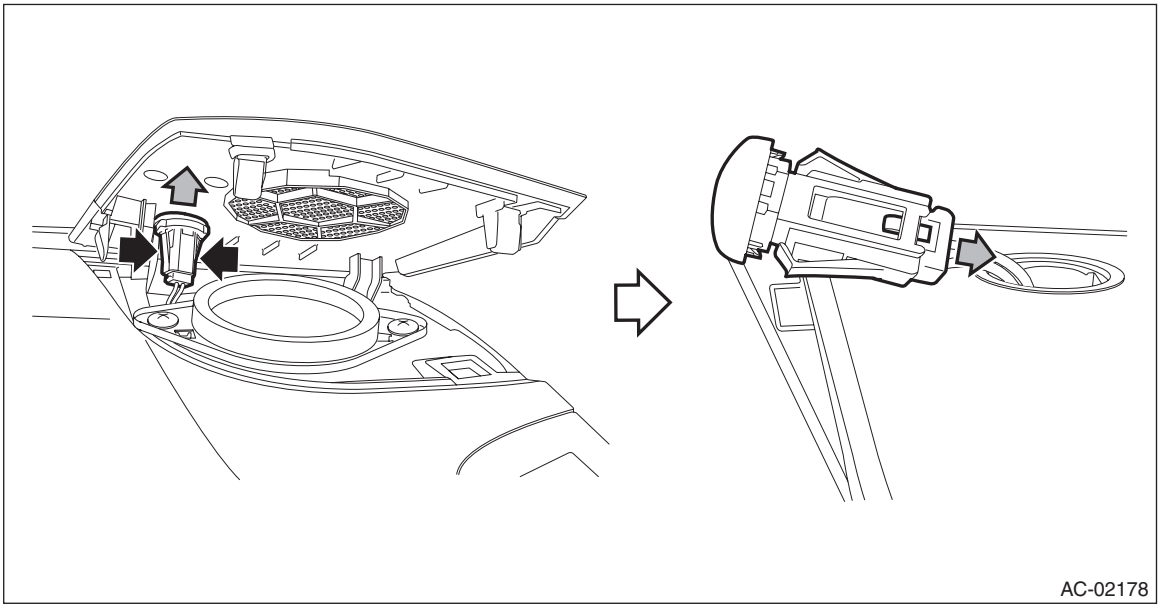
NOTE:
The sunload sensor is integrated with the light control sensor.
1) Disconnect the ground cable from battery.
2) Remove the sunload sensor.

CAUTION:
Be careful not to damage the sensors and interior trims when removing.

(1) Release the claws and clips, then detach the side speaker cover (RH).



(2) Push out the sunload sensor by pressing the left and right claws.
(3) Disconnect the connector and remove the sunload sensor.



B: INSTALLATION

Install each part in the reverse order of removal.

C: INSPECTION

Preparation tool:
Subaru Select Monitor III kit

1) Check if there is anything that affects sensing, around the sunload sensor.
   (1) Is there anything placed on the sunload sensor that disturbs sensing?
   (2) Is there anything on the windshield glass, such as sticker and film, that disturbs sensing?
   - **No** → Go to step 2).
   - **Yes** → Remove everything that affects sensing.
2) Check the sunload sensor using the Subaru Select Monitor.
   (1) Prepare the Subaru Select Monitor kit.
   (2) Run the “PC application for Subaru Select Monitor”.
   (3) On «Main Menu» display, select {Each System Check}.
   (4) On «System Selection Menu» display, select {Air Condition System}.
   (5) On «Air Conditioning Diagnosis» display, select {Current Data Display & Save}.
   (6) Select {Quantity of Sunload} with UP/DOWN key and set with the [OK] key.
   (7) Cover the sunload sensor with cloth and the like to avoid direct light. Does {Quantity of Sunload} indicate 0 W/m^2?
   - **Yes** → Go to step 3).
   - **No** → Replace the sunload sensor.
3) From step 2), expose the sunload sensor to light.
   (1) Place intense light such as incandescent light at 30 cm or less from the sunload sensor.
   (2) Does the {Quantity of Sunload} indicate 2,000 W/m^2 or less?

CAUTION:
The value changes depending on the angle of light.

- **Yes** → The sunload sensor is normal.
- **No** → Replace the sunload sensor.