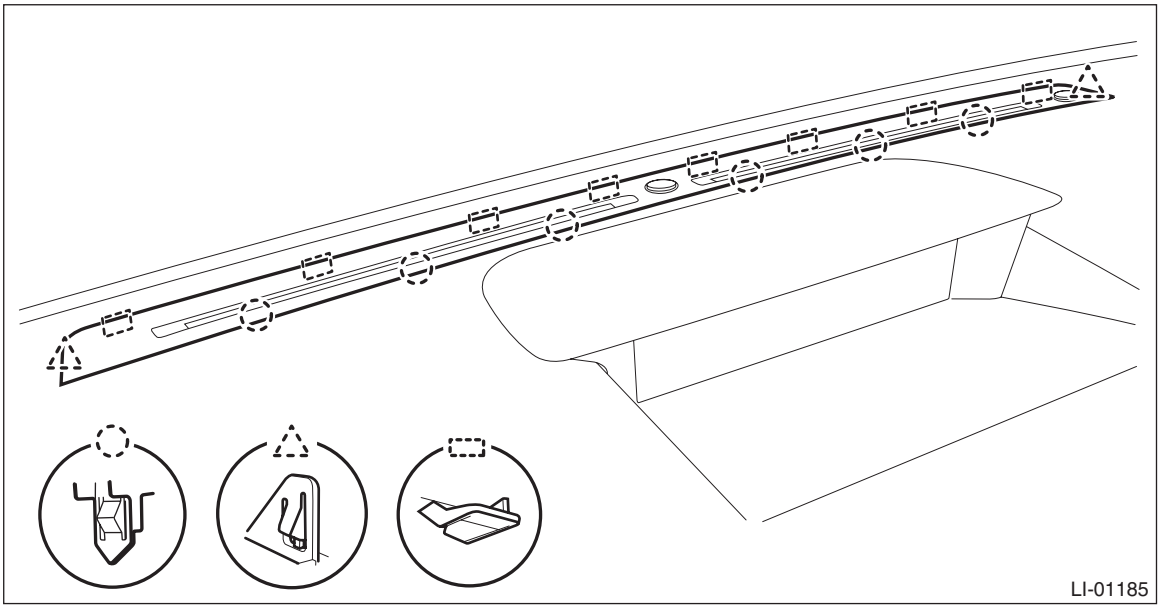
22.Sunload Sensor (Auto A/C Model)

A: REMOVAL

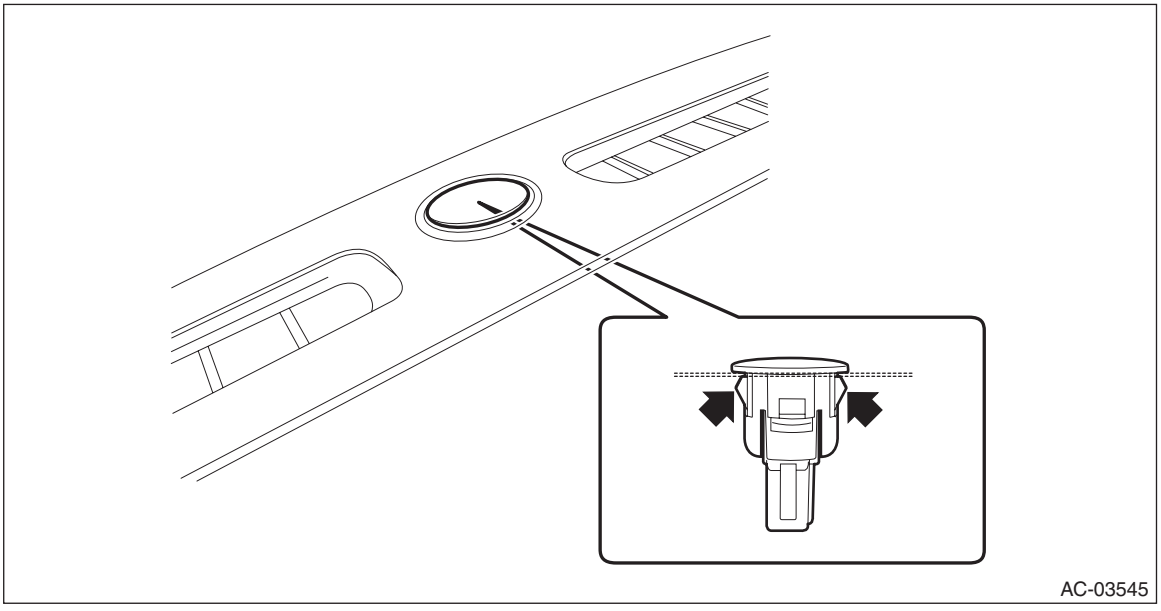
1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:
For models other than STI model, disconnect the ground terminal from battery sensor.

2) Remove the panel COMPL - instrument UPR.
   (1) Release the claws.
   (2) Disconnect the connectors and remove the panel COMPL - instrument UPR.



3) Release the claws and remove the sensor- sunload.



B: INSTALLATION

1) Install the sensor - sunload.
2) Install the panel COMPL - instrument UPR.
3) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:
For models other than STI model, connect the ground terminal to battery sensor.

C: INSPECTION

1) Check if there is anything that affects sensing, around the sensor - sunload.
   (1) Is the sensor - sunload free from any other object on it that disturbs sensing?
   (2) Is the windshield glass free from any object such as sticker or film that disturbs sensing?
   - **Yes** → Go to step 2).
   - **No** → Remove everything that affects sensing.
2) Using the Subaru Select Monitor, check «Quantity of Sunload».

Preparation tool:
Subaru Select Monitor III kit

NOTE:
For detailed procedures, refer to “PC application help for Subaru Select Monitor”.
   (1) Cover the sensor - sunload with cloth.
   (2) Does the «Quantity of Sunload» indicate 0 W/m^2 when the direct sunlight is shielded?
   - **Yes** → Go to step 3).
   - **No** → Replace the sensor - sunload.
3) From the condition in step 2), expose the sensor - sunload to light.
   (1) Place intense light such as incandescent light at 30 cm or less from the sunload sensor.
   (2) Does «Quantity of Sunload» indicate 2,000 W/m^2 or less?

CAUTION:
The value changes depending on the angle of light.
   - **Yes** → The sensor - sunload is normal.
   - **No** → Replace the sensor - sunload.