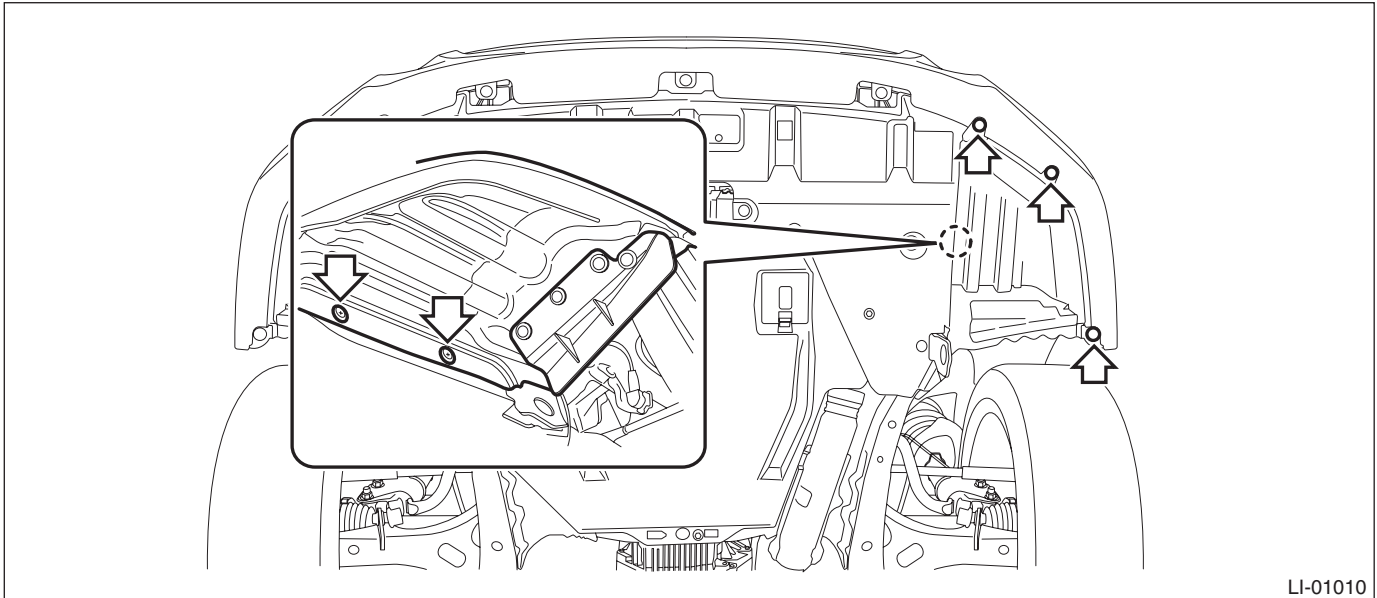


9. Front Sub Sensor

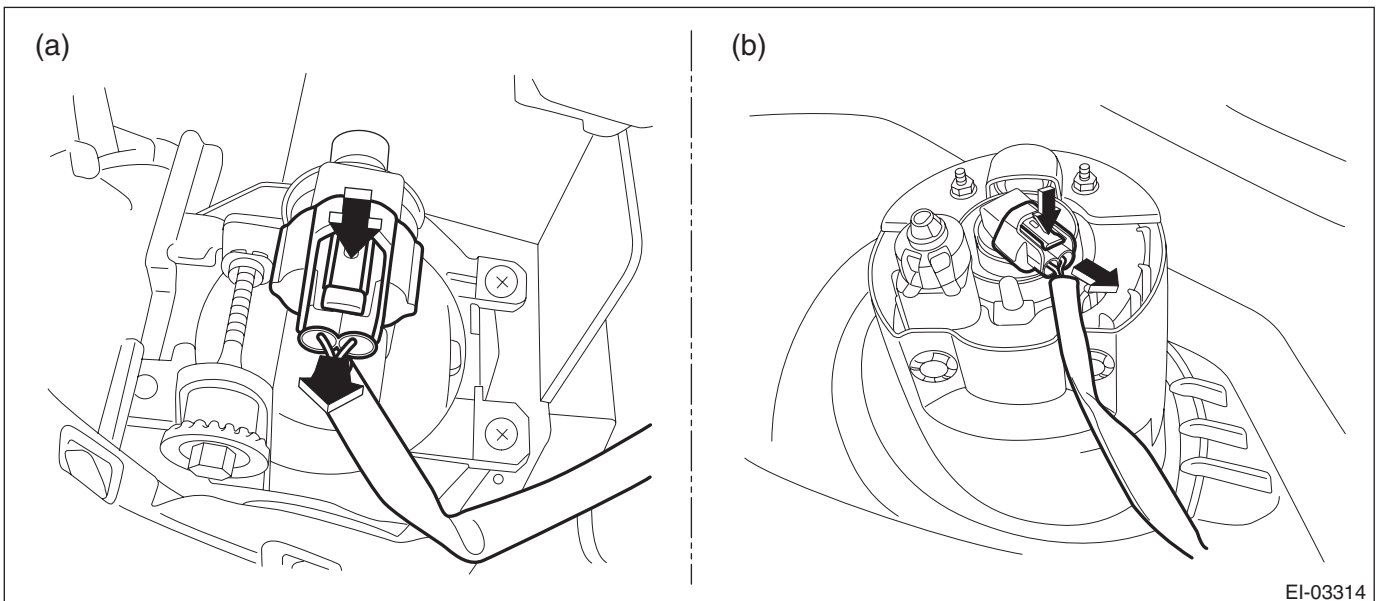
A: REMOVAL

- 1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 2) Remove the front bumper face assembly.
 - (1) Remove the clips and turn over the front end of front mud guard. (Model with fog light)



LI-01010

- (2) Disconnect the front fog light connector. (Model with fog light)



EI-03314

(a) Sedan model

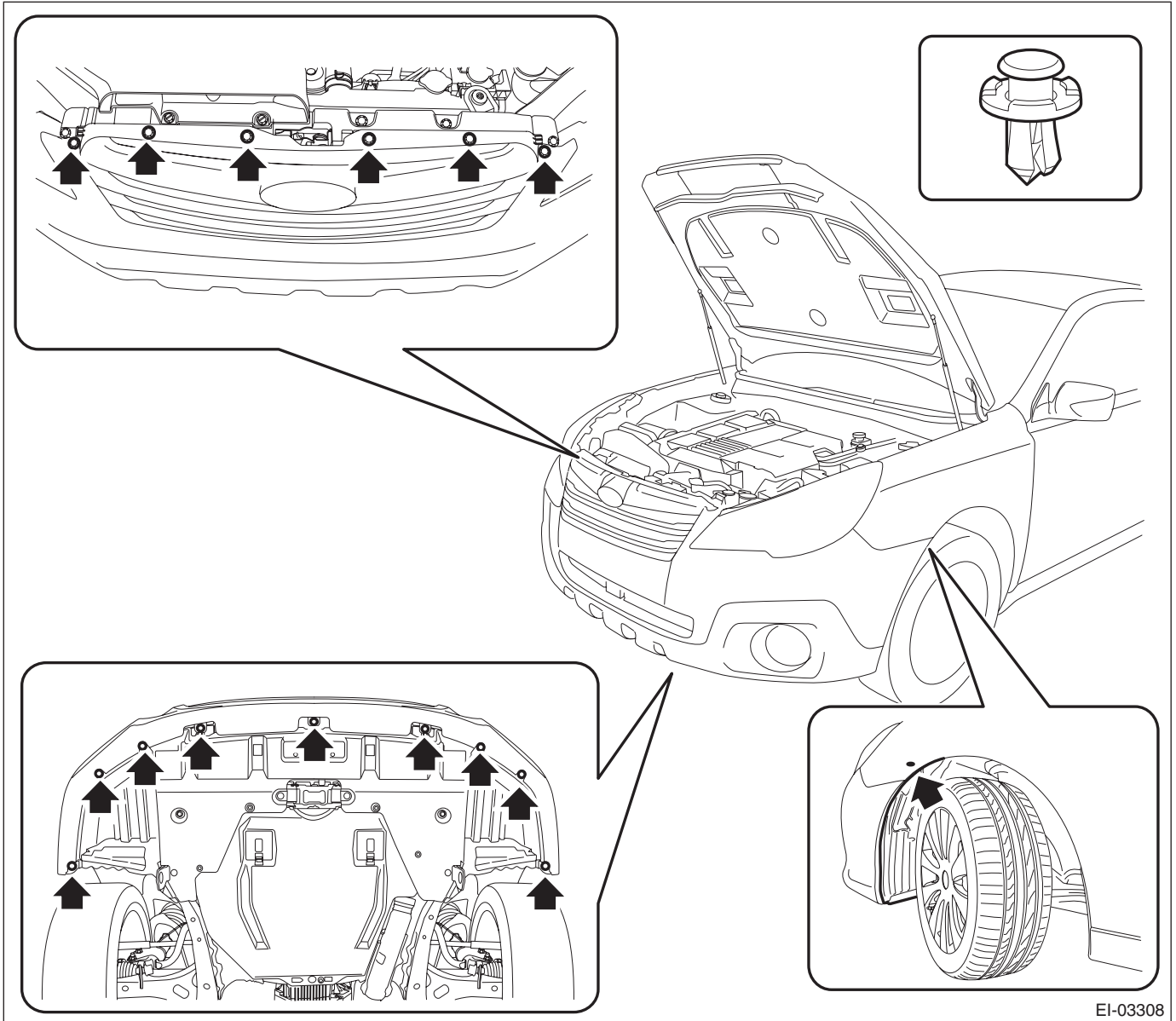
(b) OUTBACK model

- (3) Remove the clips at the upper side of the bumper.
- (4) Remove the clips from the fender.

Front Sub Sensor

AIRBAG SYSTEM

(5) Remove the clips at the lower side of bumper.

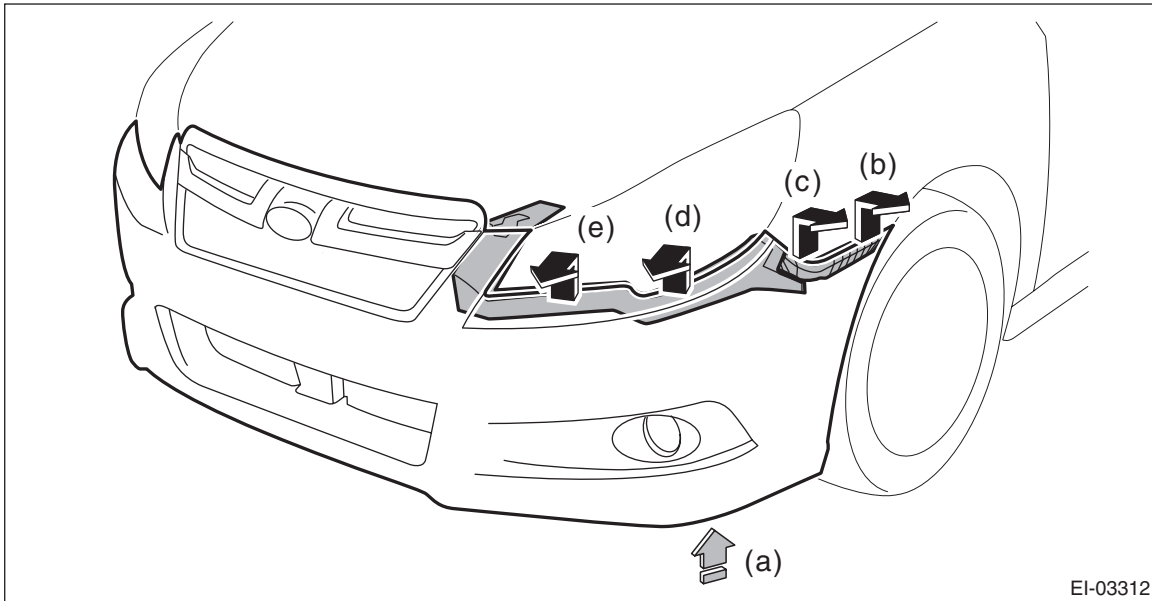


EI-03308

(6) Detach the flange section on the bumper face side from the bracket side front UPR.

CAUTION:

Do not pull forcibly. It may damage the flange section on the bumper face - front side when it comes off from the claws of bracket side front UPR.



EI-03312

NOTE:

Pushing up the lower side (a) of the fog light, remove from (b) to (e).

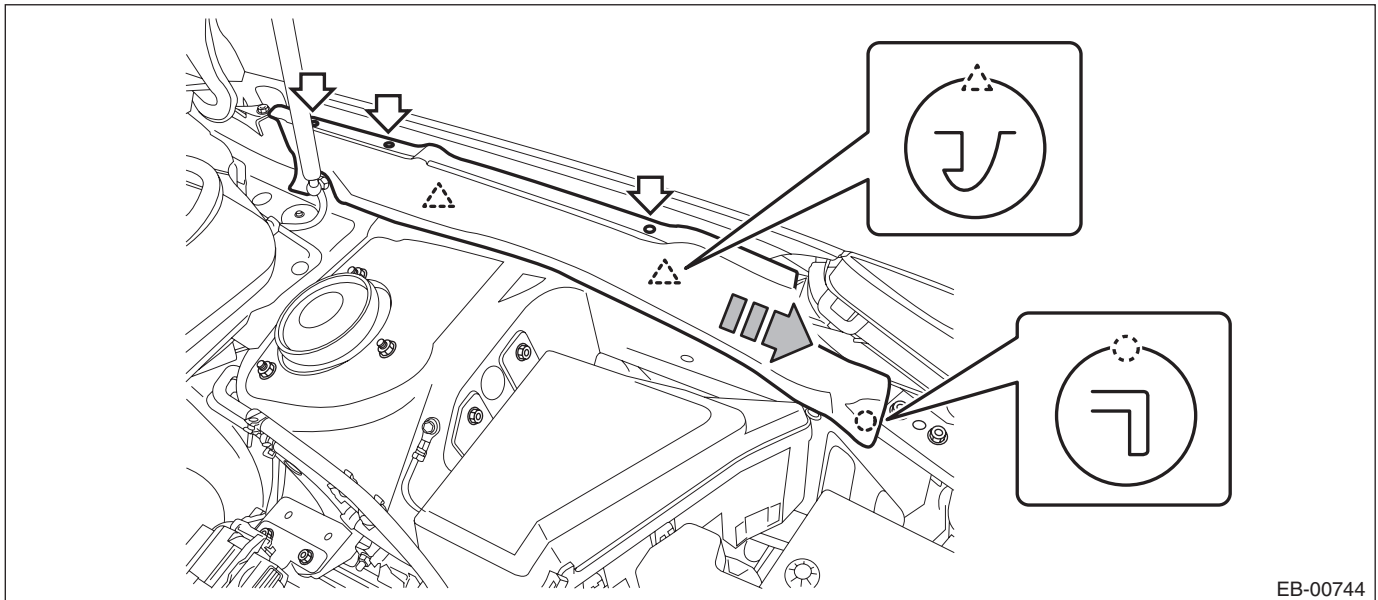
Detach the opposite side in the same manner.

3) Remove the headlight assembly.

(1) Remove the fender cover assembly UPR.

a) Remove the clip.

b) Release the claws of the fender cover assembly UPR by pulling it forward and remove the fender cover.



EB-00744

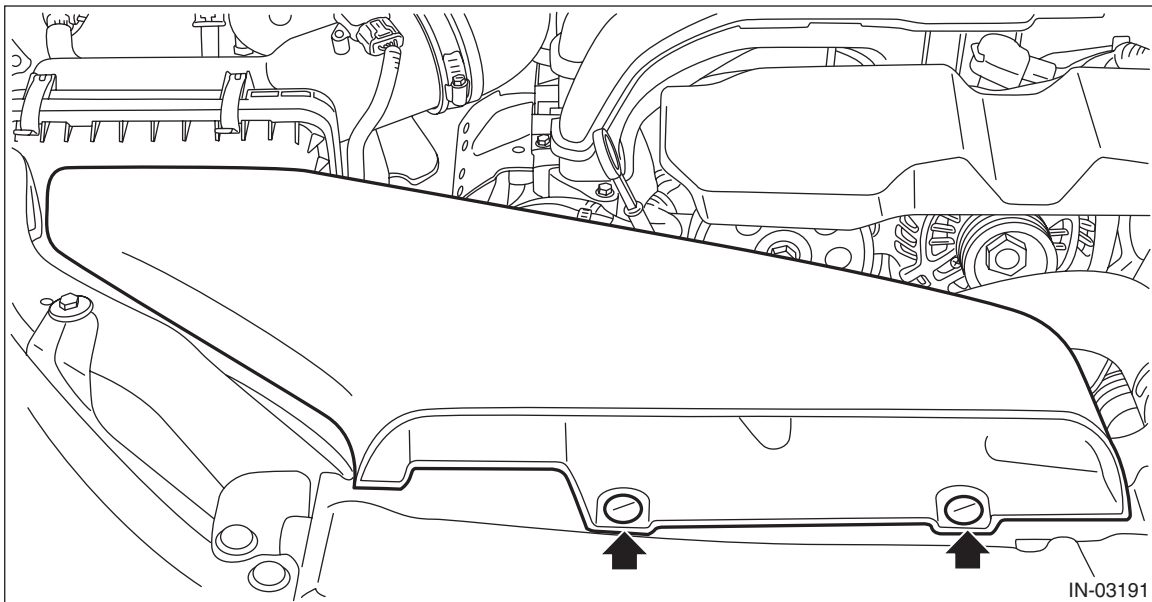
Front Sub Sensor

AIRBAG SYSTEM

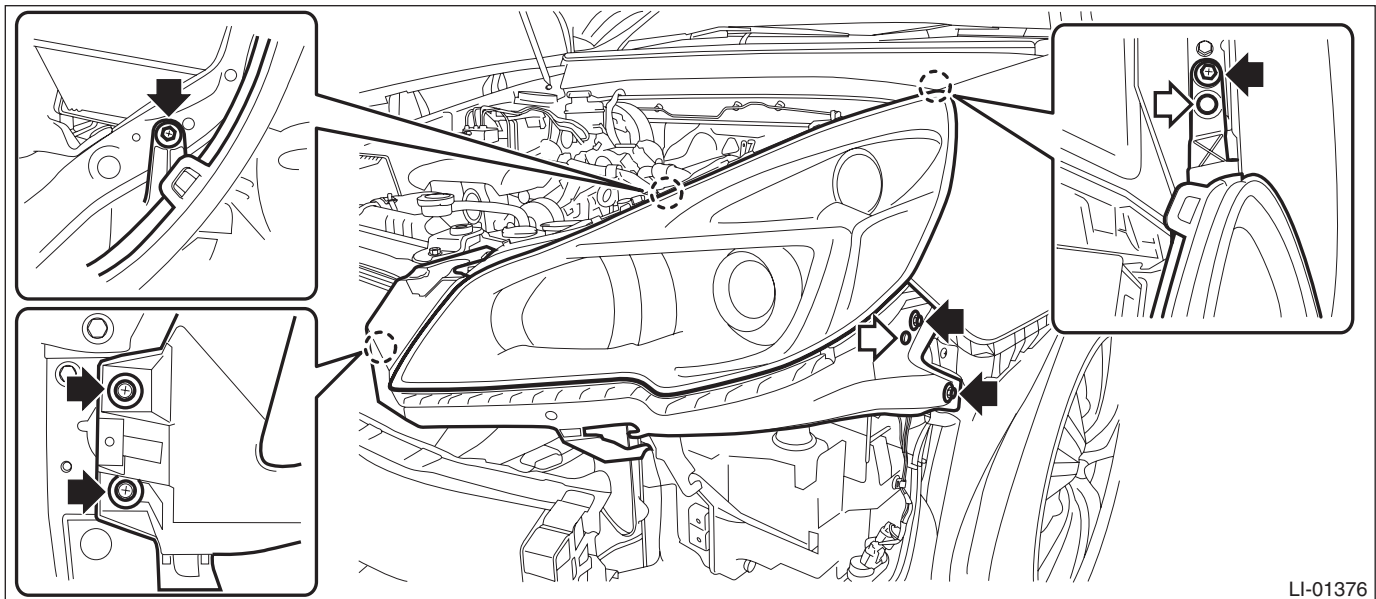
(2) Remove the headlight assembly.

NOTE:

When removing the RH headlight, remove the air intake duct.

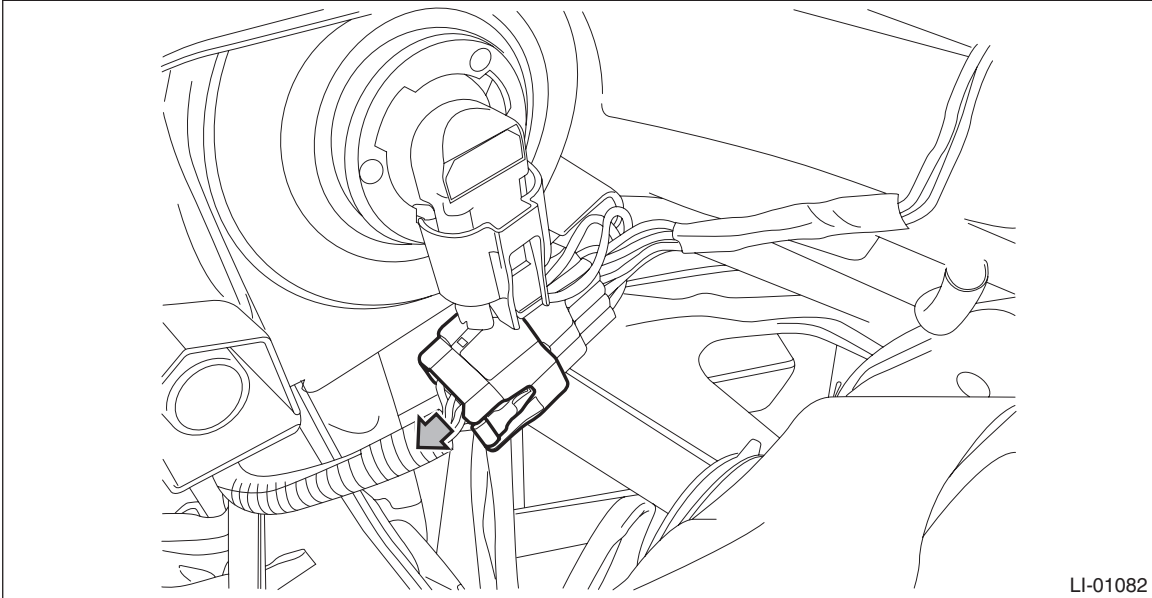


a) Remove the bolts and clips, and pull out the headlight assembly to the front of the vehicle.



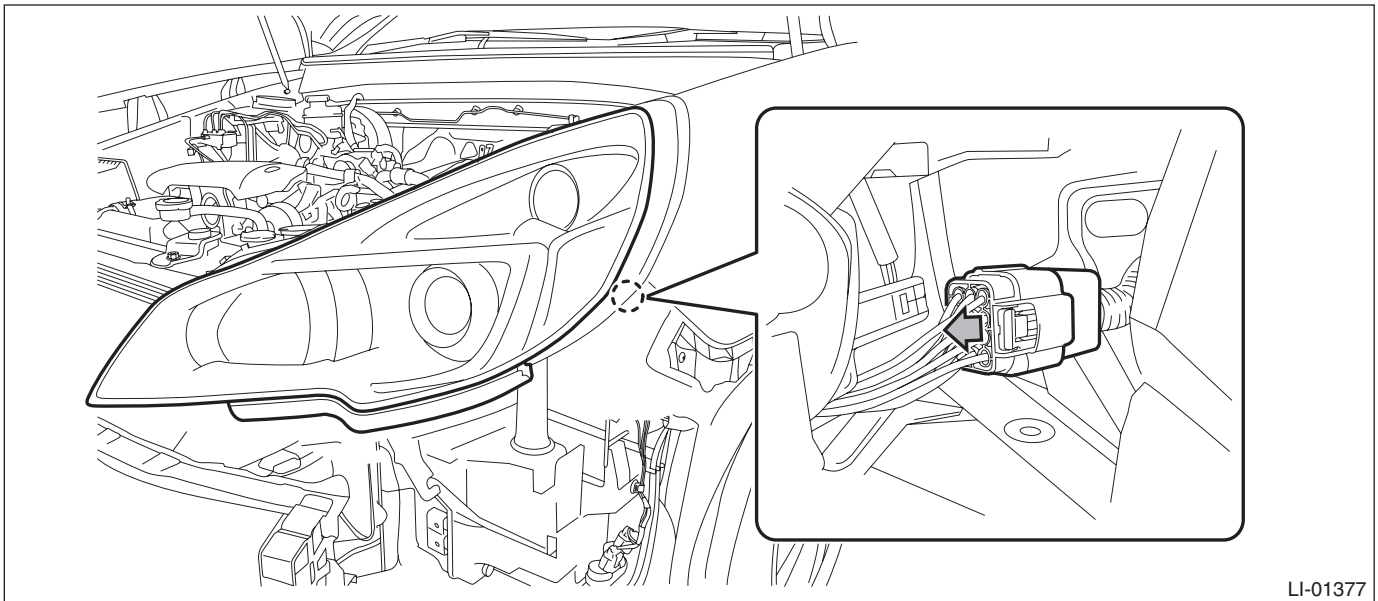
b) Disconnect the connector and remove the headlight assembly.

- RH headlight connector



LI-01082

- LH headlight connector



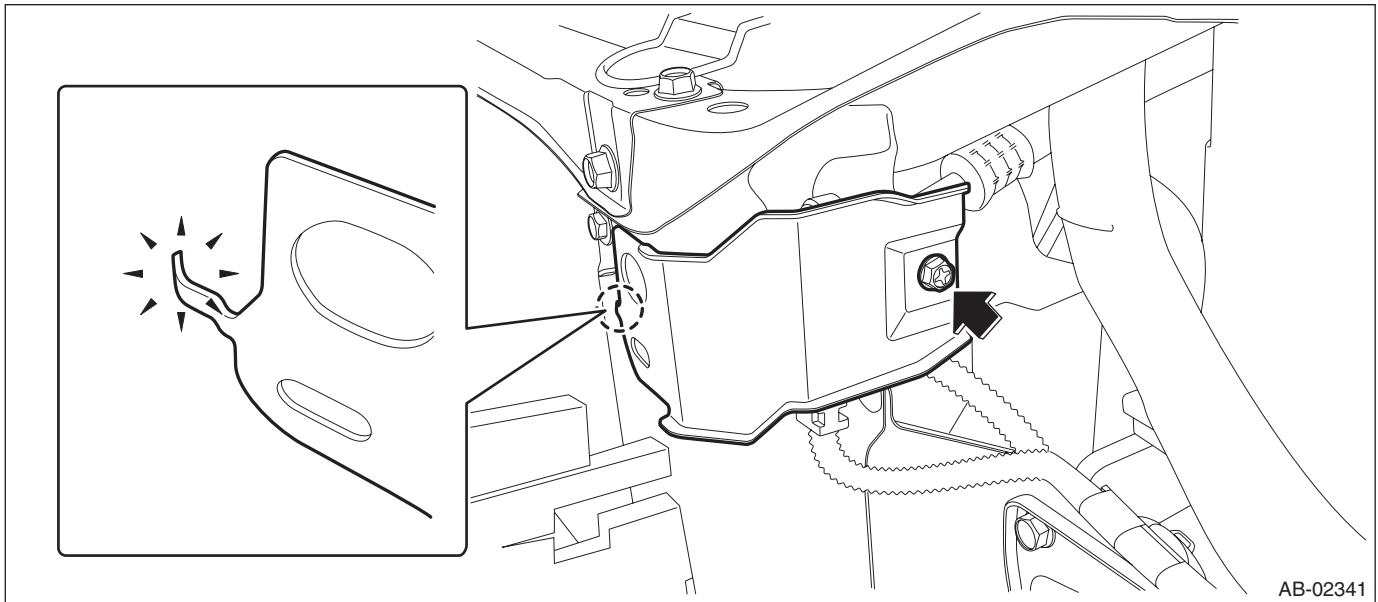
LI-01377

Front Sub Sensor

AIRBAG SYSTEM

4) Remove the front sub sensor assembly.

(1) Remove the bolt, and remove the sensor cover plate.



AB-02341

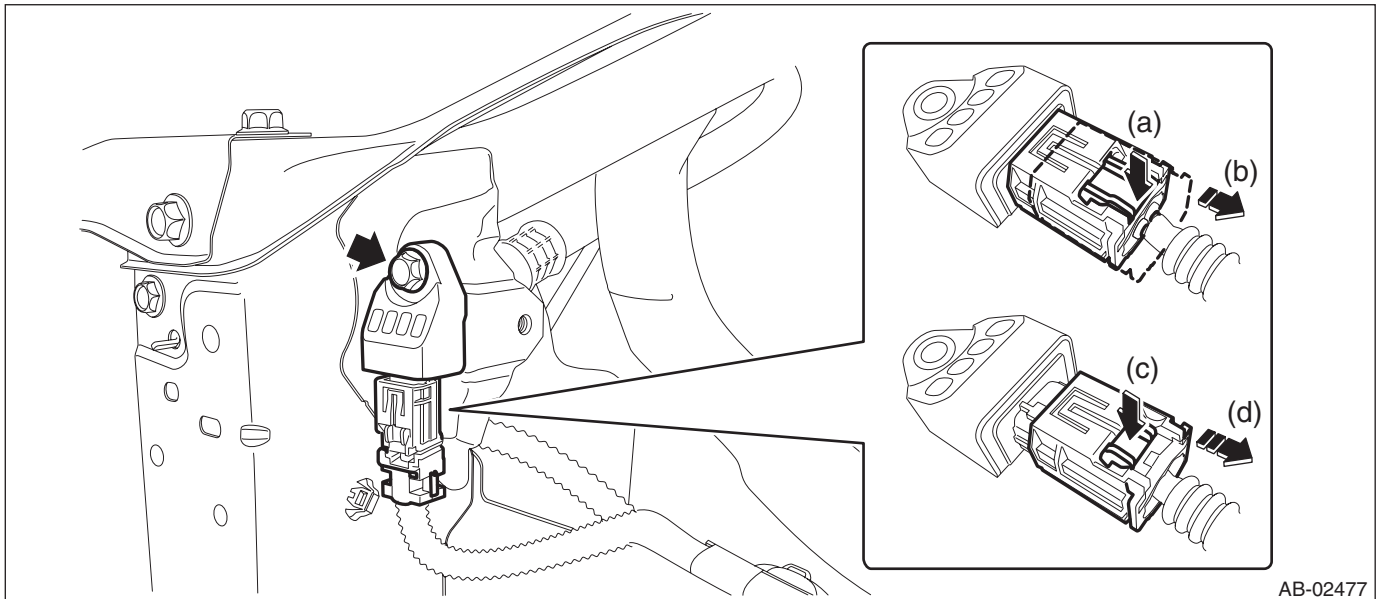
(2) Remove the front sub sensor by removing the bolt and disconnect the connector.

a) Push the lock arm.

b) Holding outer part, pull it one step in the direction of arrow.

c) Push the lock arm again.

d) Holding outer part, pull it in the direction of arrow to disconnect the connector.



AB-02477

B: INSTALLATION

CAUTION:

- If the airbag has been activated, replace the front sub sensor assembly with a new part.
- Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

- When installing the sensor, insert the set pin on the backside of the sensor into the hole on the body side securely.

- After the installation of headlight assembly, be sure to perform headlight beam adjustment.

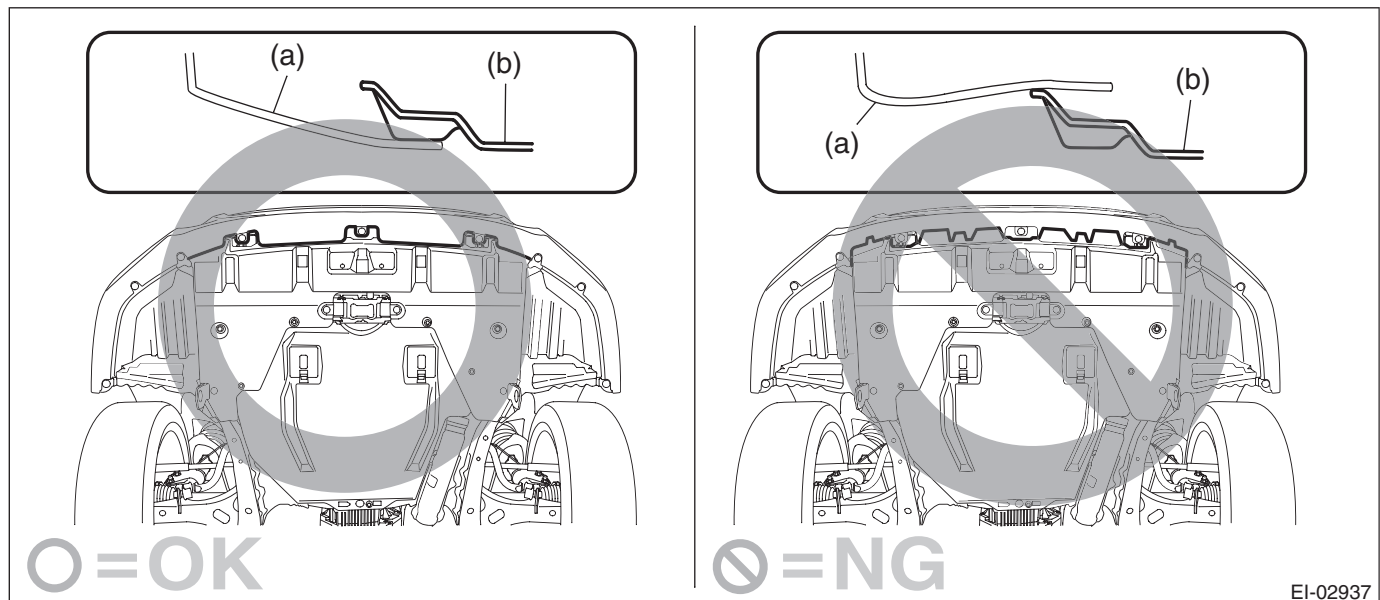
1) Before installation, inspect the following items and replace any faulty part with a new part.

- Front sub sensor damage
- Connector damage
- Sensor cover plate deformation or damage

2) Install each part in the reverse order of removal.

CAUTION:

- Install the bumper face so that the under cover front end (b) comes inside the front bumper face (a).



- Before installing the bumper face, match the claws on the bracket - front bumper with the engaging position of flange section on the bumper face side. If the engaging position is not correct, the flange section may be broken or the clearance between fender panel and bumper face may not be uniform.

Tightening torque:

Front sub sensor: 13 N·m (1.33 kgf-m, 9.6 ft-lb)

Headlight assembly: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

3) Adjust the fog light beam. (Model with fog light) <Ref. to LI-42, FOG LIGHT AIMING, ADJUSTMENT, Front Fog Light Assembly.>