# 37.Rear Height Sensor

A: REMOVAL

CAUTION:
• **Always remove the sensor assembly - headlight beam leveler before removing any parts related to the suspension.**
• **Do not apply impact to the sensor assembly - headlight beam leveler or forcibly move the arm. Doing so may cause sensor damage and malfunction.**
1) Disconnect the ground cable from battery.
2) Lift up the vehicle, and remove the left rear wheel.
3) Remove the sensor assembly - headlight beam leveler.

CAUTION:
Do not disassemble the sensor and lever.
  (1) Disconnect the connector.
  (2) Remove the nuts, and remove the sensor assembly - headlight beam leveler.

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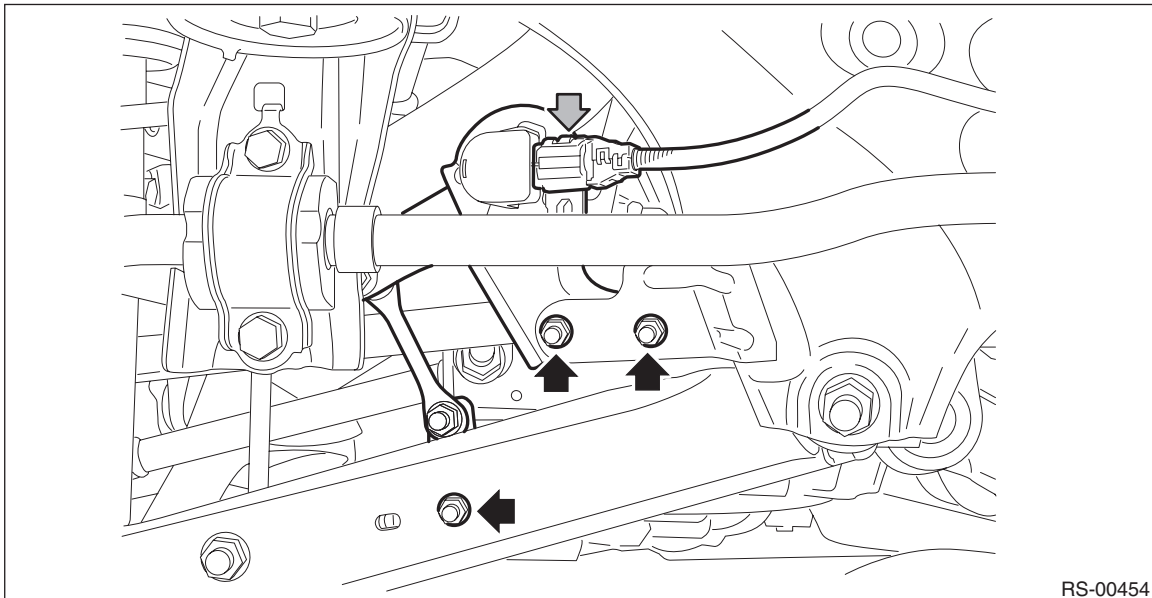
B: INSTALLATION

CAUTION:
Do not apply impact to the sensor assembly - headlight beam leveler or forcibly move the arm. Doing so may cause sensor damage and malfunction.
1) Install each part in the reverse order of removal.

Tightening torque:
  Sensor assembly - headlight beam leveler: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)
  Rear wheel: 120 N·m (12.24 kgf-m, 88.5 ft-lb)
2) Perform reinitialization of the sensor assembly - headlight beam leveler. <Ref. to LI-17, REINITIALIZATION, PROCEDURE, Auto Headlight Beam Leveler System.>

NOTE:
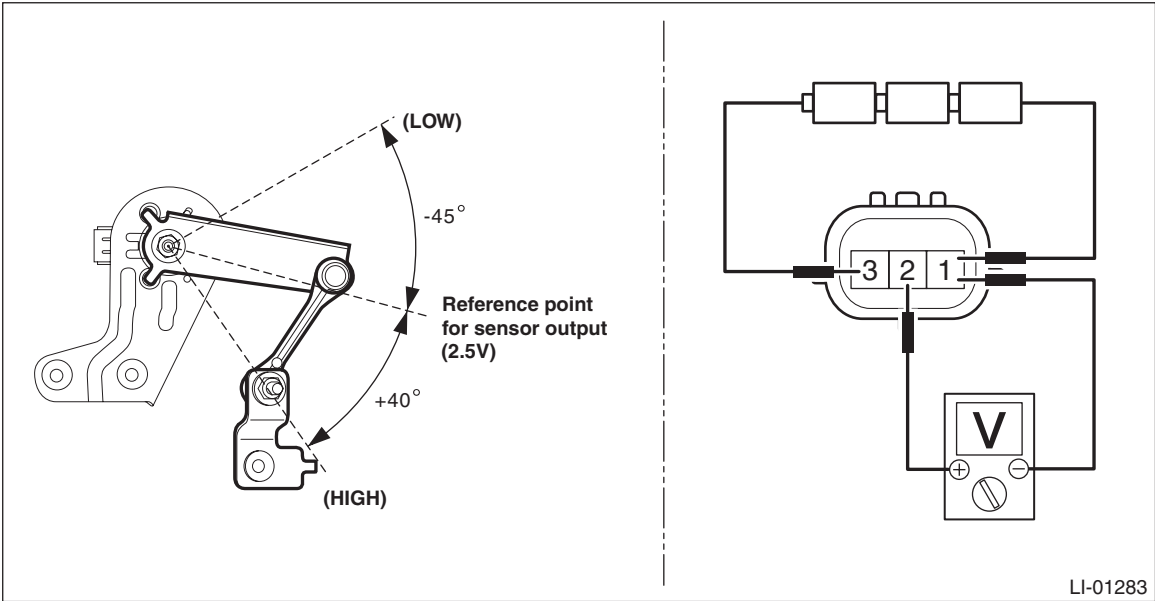When replacing the sensor assembly - headlight beam leveler with a new part, perform the initialization. <Ref. to LI-17, INITIALIZATION, PROCEDURE, Auto Headlight Beam Leveler System.>

C: INSPECTION

UNIT INSPECTION

Preparation tool:
   Circuit tester

1) Connect three dry cell batteries (1.5 V) in series.

2) Connect the (+) side of the battery to terminal No. 3 of the sensor, and the (–) side of the battery to terminal No. 1, and apply a voltage of 4.5 V between terminals No. 3 — No. 1.

3) With voltage applied, check the voltage between terminals when the sensor link is moved slowly up and down.

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Terminal No.	Inspection conditions	Standard
2 (+) — 1 (–)	Move the link within the operation range.	0.5 — 4.1 V

4) Replace the sensor assembly - headlight beam leveler if the inspection result is not within the standard value.