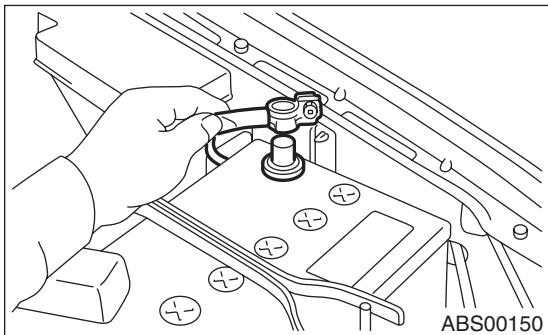


8. G Sensor

A: REMOVAL

1) Disconnect the ground terminal from battery.



2) Remove the console cover.

<Ref. to EI-42, Console Box.>

3) Disconnect the connector from G sensor.

4) Remove the G sensor from body.

CAUTION:

- Do not drop or bump the G sensor.
- Do not disassemble the G sensor and bracket.

B: INSTALLATION

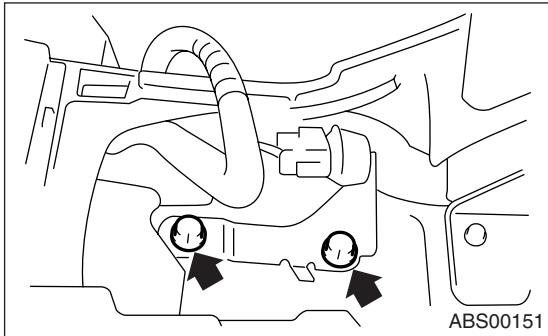
1) Install in the reverse order of removal.

CAUTION:

Do not drop or bump the G sensor.

Tightening torque (G sensor):

18 N·m (1.8 kgf-m, 13 ft-lb)



C: INSPECTION

Step	Check	Yes	No
1 Do you have the SUBARU SELECT MONITOR?	SUBARU SELECT MONITOR is available.	Go to step 5.	Go to step 2.
2 CHECK G SENSOR. 1)Turn the ignition switch to OFF. 2)Remove the G sensor from vehicle. 3)Connect the connector to G sensor. 4)Turn the ignition switch to ON. 5)Measure the voltage between G sensor connector terminals. <i>Connector & terminal:</i> (B292) No. 2 (+) — No. 3 (-) Is the voltage within specified values when the G sensor is horizontal?	Between 2.1 and 2.5V	Go to step 3.	Replace G sensor.
3 CHECK G SENSOR. Measure the voltage between G sensor connector terminals. <i>Connector & terminal:</i> (B292) No. 2 (+) — No. 3 (-) Is the voltage within specified values when the G sensor is inclined forwards to 90°?	Between 3.7 and 4.1V	Go to step 4.	Replace G sensor.
4 CHECK G SENSOR. Measure the voltage between G sensor connector terminals. <i>Connector & terminal:</i> (B292) No. 2 (+) — No. 3 (-) Is the voltage within specified values when the G sensor is inclined backwards to 90°?	Between 0.5 and 0.9V	G sensor is normal.	Replace G sensor.
5 CHECK G SENSOR. 1)Turn the ignition switch to OFF. 2)Connect the select monitor connector to data link connector. 3)Turn the select monitor into {BRAKE CONTROL} mode. 4)Set the display in the {Current Data Display & Save} mode. 5)Read the G sensor output voltage. Is the indicated reading within specified values when the vehicle is in horizontal position?	Between 2.1 and 2.5V	Go to step 6.	Replace G sensor.
6 CHECK G SENSOR. 1)Remove the console box. 2)Remove the G sensor from vehicle. (Do not disconnect connector.) 3)Read the select monitor display. Is the indicated reading within specified values when the G sensor is inclined forwards to 90°?	Between 3.7 and 4.1V	Go to step 7.	Replace G sensor.
7 CHECK G SENSOR. Read the select monitor display. Is the indicated reading within specified values when the G sensor is inclined backwards to 90°?	Between 0.5 and 0.9V	G sensor is normal.	Replace G sensor.