

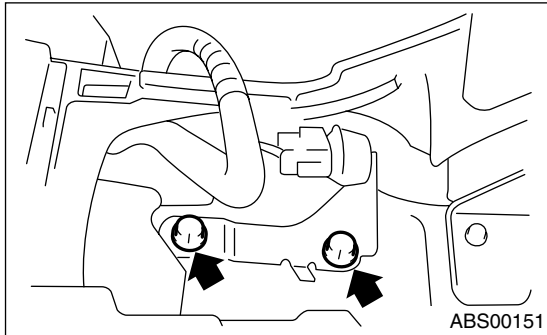
8. G Sensor

A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the console cover.
<Ref. to EI-43, REMOVAL, 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.
- G sensor and the bracket are integrated into one unit. Therefore, do not disassemble it.



B: INSTALLATION

Install in the reverse order of removal.

CAUTION:

Do not drop or bump the G sensor.

Tightening torque:

18 N·m (1.8 kgf·m, 13.0 ft·lb)

C: INSPECTION

	Step	Check	Yes	No
1	CHECK SUBARU SELECT MONITOR.	Do you have a SUBARU SELECT MONITOR?	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. Connector & terminal (B292) No. 2 (+) — No. 3 (-):	Is the voltage 2.3 ± 0.2 V when G sensor is horizontal?	Go to step 3.	Replace the G sensor.
3	CHECK G SENSOR. Measure the voltage between G sensor connector terminals. Connector & terminal (B292) No. 2 (+) — No. 3 (-):	Is the voltage 3.9 ± 0.2 V when G sensor is inclined forwards to 90° ?	Go to step 4.	Replace the G sensor.
4	CHECK G SENSOR. Measure the voltage between G sensor connector terminals. Connector & terminal (B292) No. 2 (+) — No. 3 (-):	Is the voltage 0.7 ± 0.2 V when G sensor is inclined backwards to 90° ?	G sensor is normal.	Replace the G sensor.
5	CHECK G SENSOR. 1)Turn the ignition switch to OFF. 2)Connect the Subaru Select Monitor to data link connector. 3)Turn the Subaru 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 2.3 ± 0.2 V when the vehicle is in horizontal position?	Go to step 6.	Replace the G sensor.
6	CHECK G SENSOR. 1)Remove the console box. 2)Remove the G sensor from vehicle. (Do not disconnect the connector.) 3)Read the Subaru Select Monitor display.	Is the indicated reading 3.9 ± 0.2 V when G sensor is inclined forwards to 90° ?	Go to step 7.	Replace the G sensor.
7	CHECK G SENSOR. Read the Subaru Select Monitor display.	Is the indicated reading 0.7 ± 0.2 V when G sensor is inclined backwards to 90° ?	G sensor is normal.	Replace the G sensor.