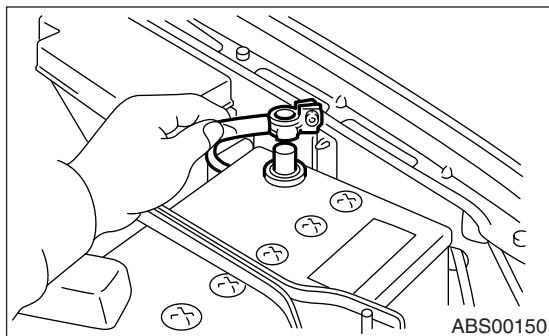


8. G Sensor

A: REMOVAL

1) Disconnect the ground cable from battery.



2) Remove the console cover.

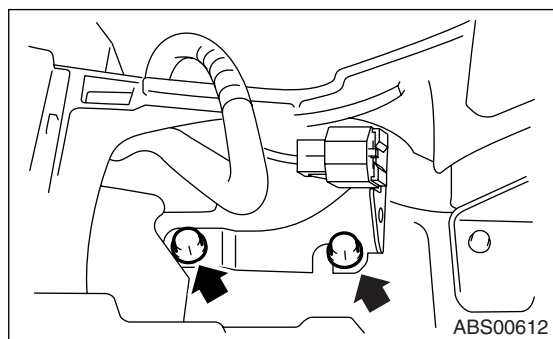
<Ref. to EI-37, REMOVAL, Console Box.>

3) Disconnect the connector from the G sensor.

4) Remove the G sensor from the body.

CAUTION:

- Do not drop or bump the G sensor.
- The G sensor integrated with the bracket. Do not disassemble.



B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

18 N·m (1.8 kgf-m, 13.0 ft-lb)

CAUTION:

Do not drop or bump the G sensor.

C: INSPECTION

Step	Check	Yes	No
1 CHECK SUBARU SELECT MONITOR.	Is a Subaru Select Monitor 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 the G sensor. 4) Turn the ignition switch 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 in a horizontal position?	Go to step 3.	Replace G sensor.
3 CHECK G SENSOR. Measure the voltage between G sensor connector terminals. Connector & terminal (B292) No. 2 (+) — No. 3 (-):	Is the voltage between 3.9 ± 0.2 V when G sensor is inclined forward 90° ?	Go to step 4.	Replace 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 the G sensor is inclined backward 90° ?	G sensor is normal.	Replace G sensor.
5 CHECK G SENSOR. 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor to data link connector. 3) Set the Subaru Select Monitor to the {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 on the monitor display 0 ± 0.1 m/s ² ?	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 the connector.) 3) Read the Subaru Select Monitor display.	Is the numerical value -9.8 ± 0.1 m/s ² when G sensor is inclined forward 90° ?	Go to step 7.	Replace G sensor.
7 CHECK G SENSOR. Read the Subaru Select Monitor display.	Is the numerical value 9.8 ± 0.1 m/s ² when G sensor is inclined back 90° ?	G sensor is normal.	Replace G sensor.

ABS (DIAGNOSTICS)

ABS(diag)

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