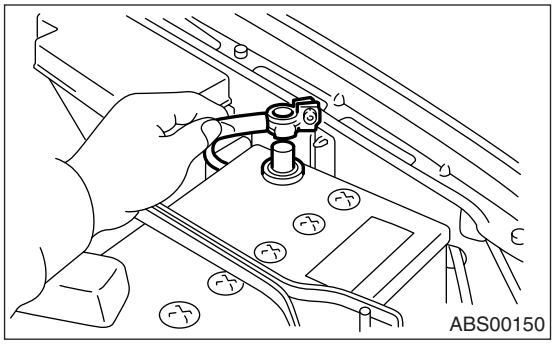
8. G Sensor

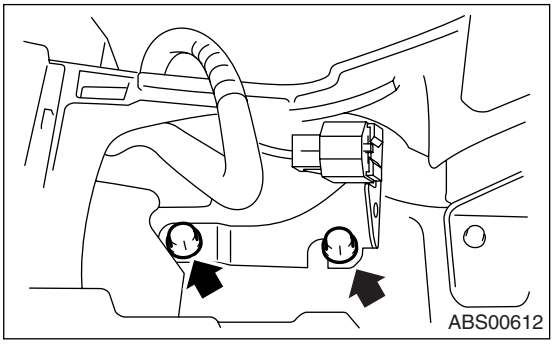
A: REMOVAL

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)