

E: INSTALLATION

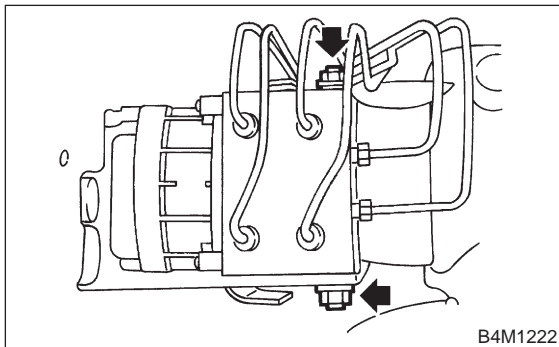
- 1) Install ABSCM&H/U.

CAUTION:

Confirm that the specifications of the ABSCM&H/U conforms to the vehicle specifications.

Tightening torque:

$18 \pm 5 \text{ N}\cdot\text{m}$ ($1.8 \pm 0.5 \text{ kg}\cdot\text{m}$, $13.0 \pm 3.6 \text{ ft}\cdot\text{lb}$)



- 2) Connect brake pipes to their correct ABSCM&H/U connections.

Brake pipe tightening torque:

$15^{+3}_{-2} \text{ N}\cdot\text{m}$ ($1.5^{+0.3}_{-0.2} \text{ kg}\cdot\text{m}$, $10.8^{+2.2}_{-1.4} \text{ ft}\cdot\text{lb}$)

- 3) Using cable clip, secure ABSCM&H/U harness to bracket.
- 4) Connect connector to ABSCM&H/U.

CAUTION:

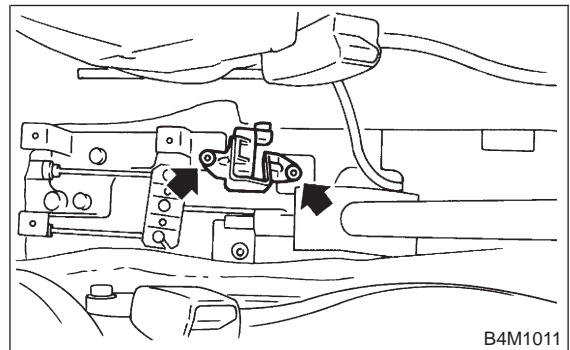
- Be sure to remove all foreign matter from inside the connector before connecting.
- Ensure that the ABSCM&H/U connector is securely locked.

- 5) Install air intake duct.
- 6) Connect ground cable to battery.
- 7) Bleed air from the brake system.

16. G Sensor

A: REMOVAL AND INSTALLATION

- 1) Turn ignition switch to OFF.
- 2) Remove console box. <Ref. to 5-4 [W1A0].>
- 3) Disconnect connector from G sensor.
- 4) Remove G sensor from body.



- 5) To install, reverse the removal procedure.

CAUTION:

Do not drop or bump G sensor.

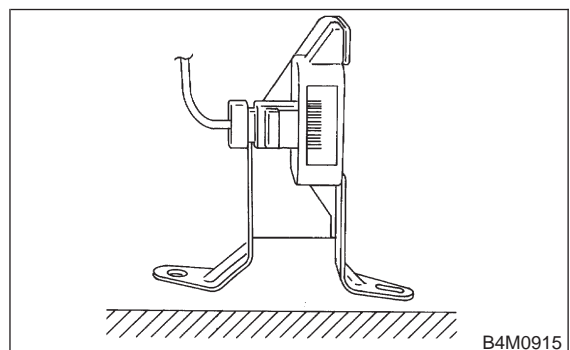
B: INSPECTION WITH CIRCUIT TESTER

16B1 : CHECK G SENSOR.

- 1) Turn ignition switch to OFF.
- 2) Remove G sensor from vehicle.
- 3) Connect connector to G sensor.
- 4) Turn ignition switch to ON.
- 5) Measure voltage between G sensor connector terminals.

Connector & terminal

(P11) No. 2 (+) — No. 3 (-)



CHECK : Is the voltage $2.3 \pm 0.2 \text{ V}$ when G sensor is horizontal?

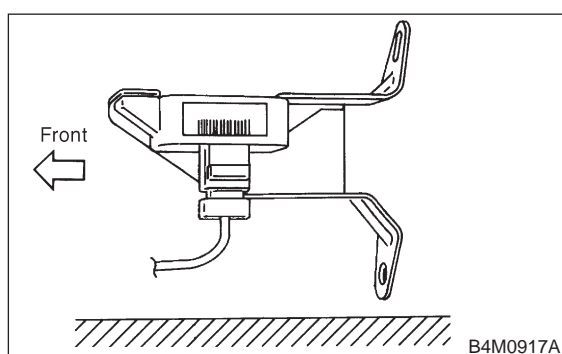
YES : Go to step 16B2.

NO : Replace G sensor.

16B2 : CHECK G SENSOR.

Measure voltage between G sensor connector terminals.

Connector & terminal
(P11) No. 2 (+) — No. 3 (-)



CHECK : Is the voltage 3.9 ± 0.2 V when G sensor is inclined forwards to 90° ?

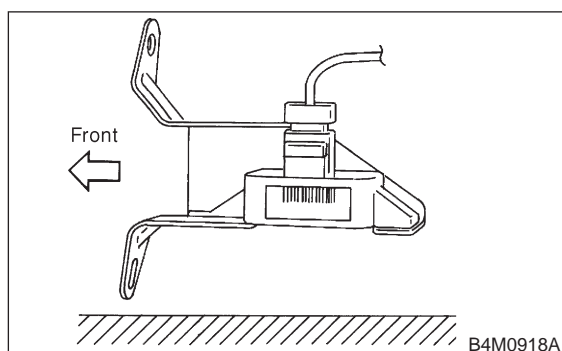
YES : Go to step 16B3.

NO : Replace G sensor.

16B3 : CHECK G SENSOR.

Measure voltage between G sensor connector terminals.

Connector & terminal
(P11) No. 2 (+) — No. 3 (-)



CHECK : Is the voltage 0.7 ± 0.2 V when G sensor is inclined backwards to 90° ?

YES : G sensor is normal.

NO : Replace G sensor.

C: INSPECTION WITH SELECT MONITOR

16C1 : CHECK G SENSOR.

- 1) Turn ignition switch to OFF.
- 2) Connect select monitor connector to data link connector.
- 3) Turn select monitor into {ABS/TCS} mode.
- 4) Set the display in the {Current Data Display & Save} mode.
- 5) Read the G sensor output voltage.

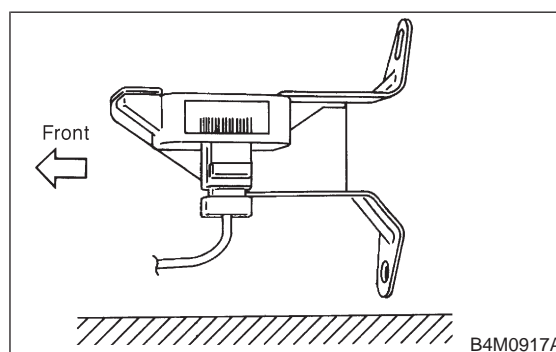
CHECK : Is the indicated reading 2.3 ± 0.2 V when the vehicle is in horizontal position?

YES : Go to step 16C2.

NO : Replace G sensor.

16C2 : CHECK G SENSOR.

- 1) Remove console box.
- 2) Remove G sensor from vehicle. (Do not disconnect connector.)
- 3) Read the select monitor display.



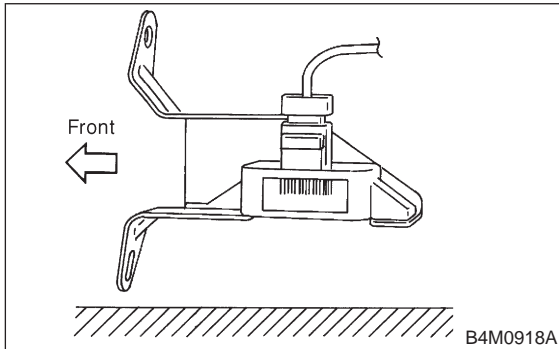
CHECK : Is the indicated reading 3.9 ± 0.2 V when G sensor is inclined forwards to 90° ?

YES : Go to step 16C3.

NO : Replace G sensor.

16C3 : CHECK G SENSOR.

Read the select monitor display.



CHECK : Is the indicated reading 0.7 ± 0.2 V when G sensor is inclined backwards to 90° ?

YES : G sensor is normal.

NO : Replace G sensor.

17. Brake Pipe **AIRBAG****A: SUPPLEMENTAL RESTRAINT SYSTEM "AIRBAG"**

Airbag system wiring harness is routed near the center brake pipe.

CAUTION:

- All Airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuit.
- Be careful not to damage Airbag system wiring harness when servicing the center brake pipe.

B: REMOVAL AND INSTALLATION**CAUTION:**

- When removing and installing the brake pipe, make sure that it is not bent.
- After installing the brake pipe and hose, bleed the air.
- After installing the brake hose, make sure that it does not touch the tire or suspension assembly, etc.

Brake pipe tightening torque:

15^{+3}_{-2} N·m ($1.5^{+0.3}_{-0.2}$ kg·m, $10.8^{+2.2}_{-1.4}$ ft·lb)