

**E: INSTALLATION**

1) Install ABSCM&H/U.

**CAUTION:**

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

**Tightening torque:**

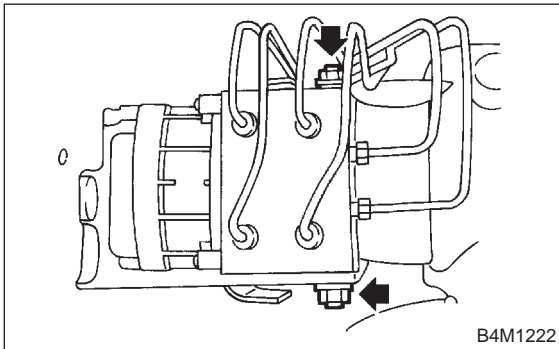
$18 \pm 5 \text{ N}\cdot\text{m}$  ( $1.8 \pm 0.5 \text{ kg}\cdot\text{m}$ ,  $13.0 \pm 3.6 \text{ ft}\cdot\text{lb}$ )

2) Install ABSCM&H/U ground terminal to bracket.

**Tightening torque:**

$32 \pm 10 \text{ N}\cdot\text{m}$  ( $3.3 \pm 1.0 \text{ kg}\cdot\text{m}$ ,  $24 \pm 7 \text{ ft}\cdot\text{lb}$ )

3) Connect brake pipes to their correct ABSCM&H/U connections. <Ref. to 4-4 [W16B0].>



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

5) 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.

6) Install air intake duct.

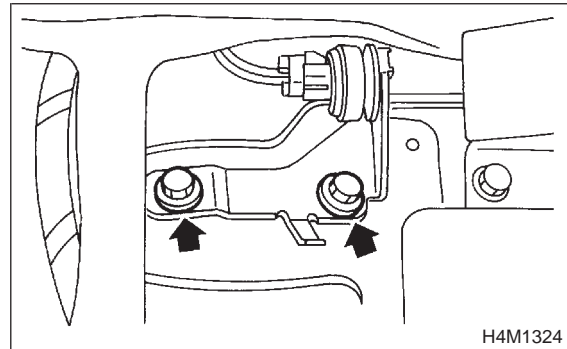
7) Connect ground cable to battery.

8) Bleed air from the brake system.

**15. G Sensor**

**A: REMOVAL AND INSTALLATION**

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



5) Install in the reverse order of removal.

**CAUTION:**

Do not drop or bump G sensor.

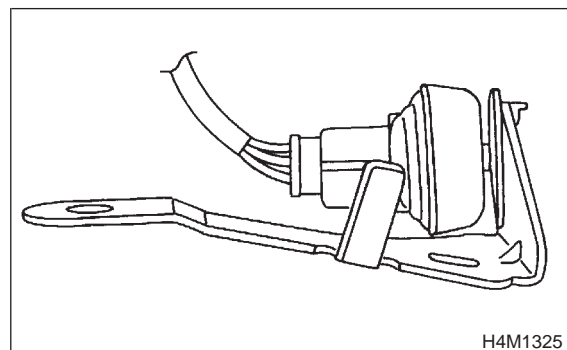
**B: INSPECTION WITH CIRCUIT TESTER**

**15B1 : 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**

(P9) No. 2 (+) — No. 3 (-)



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

**YES** : Go to step 15B2.

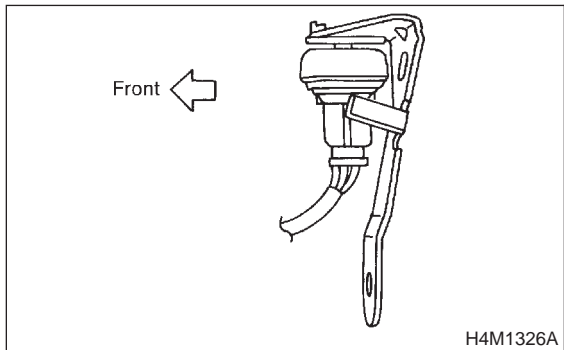
**NO** : Replace G sensor.

**15B2 : CHECK G SENSOR.**

Measure voltage between G sensor connector terminals.

**Connector & terminal**

**(P9) No. 2 (+) — No. 3 (-)**



**CHECK** : *Is the voltage  $3.9\pm 0.2$  V when G sensor is inclined forwards to  $90^\circ$ ?*

**YES** : Go to step 15B3.

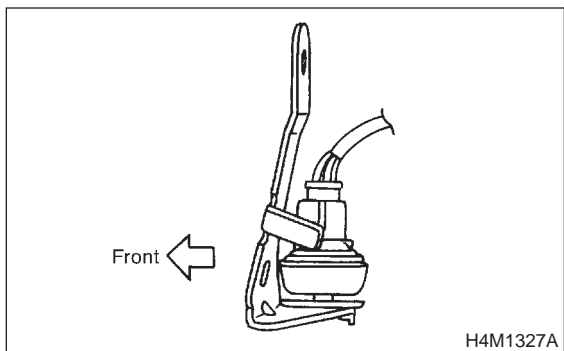
**NO** : Replace G sensor.

**15B3 : CHECK G SENSOR.**

Measure voltage between G sensor connector terminals.

**Connector & terminal**

**(P9) No. 2 (+) — No. 3 (-)**



**CHECK** : *Is the voltage  $0.7\pm 0.2$  V when G sensor is inclined backwards to  $90^\circ$ ?*

**YES** : G sensor is normal.

**NO** : Replace G sensor.

**C: INSPECTION WITH SELECT MONITOR**

**15C1 : 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.

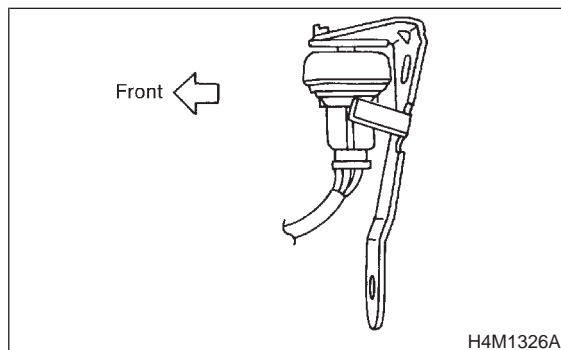
**CHECK** : *Is the indicated reading  $2.3\pm 0.2$  V when the vehicle is in horizontal position?*

**YES** : Go to step 15C2.

**NO** : Replace G sensor.

**15C2 : CHECK G SENSOR.**

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



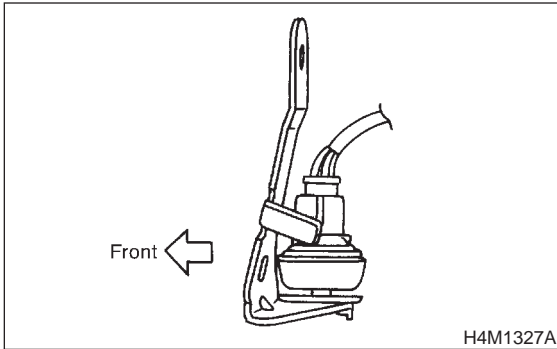
**CHECK** : *Is the indicated reading  $3.9\pm 0.2$  V when G sensor is inclined forwards to  $90^\circ$ ?*

**YES** : Go to step 15C3.

**NO** : Replace G sensor.

**15C3 : CHECK G SENSOR.**

Read the select monitor display.



**CHECK** : *Is the indicated reading  $0.7 \pm 0.2$  V when G sensor is inclined backwards to  $90^\circ$ ?*

**YES** : G sensor is normal.

**NO** : Replace G sensor.

**16. 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 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)