

Fuel Tank Pressure Sensor

EMISSION CONTROL (AUX. EMISSION CONTROL DEVICES)

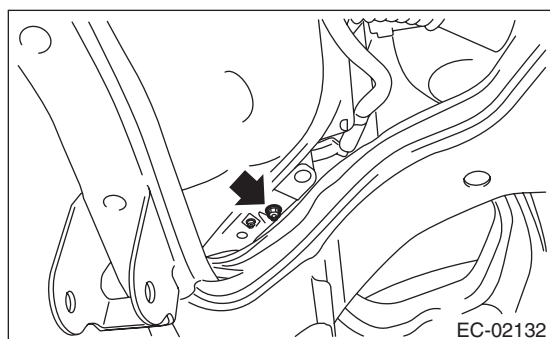
10. Fuel Tank Pressure Sensor

A: REMOVAL

WARNING:

Place “NO OPEN FLAMES” signs near the working area.

- 1) Disconnect the ground cable from battery.
- 2) Open the fuel filler lid and remove the fuel filler cap.
- 3) Lift up the vehicle.
- 4) Disconnect the connector from the fuel tank pressure sensor.
- 5) Disconnect the vacuum hose from the fuel tank pressure sensor.
- 6) Remove the fuel tank pressure sensor along with the bracket.

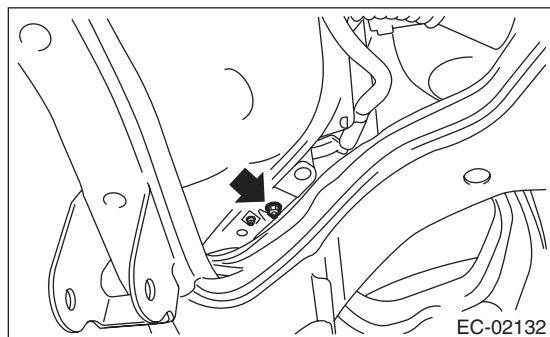


B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

7.35 N·m (0.7 kgf-m, 5.4 ft-lb)



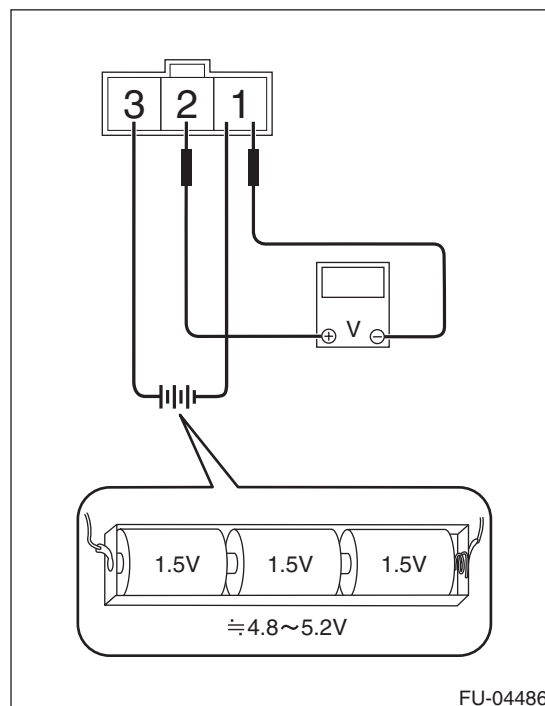
C: INSPECTION

1. FUEL TANK PRESSURE SENSOR

- 1) Check that the fuel tank pressure sensor has no deformation, cracks or other damages.
- 2) Connect dry-cell battery positive terminal to terminal No. 3 and dry-cell battery ground terminal to terminal No. 1, circuit tester positive terminal to terminal No. 2 and the circuit tester negative terminal to terminal No. 1.

NOTE:

- Use new dry-cell batteries.
- Using circuit tester, check the voltage of a single dry-cell battery is 1.6 V or more. And also check the voltage of three batteries in series is between 4.8 V and 5.2 V.



- 3) Check the voltage at a normal atmospheric pressure.

NOTE:

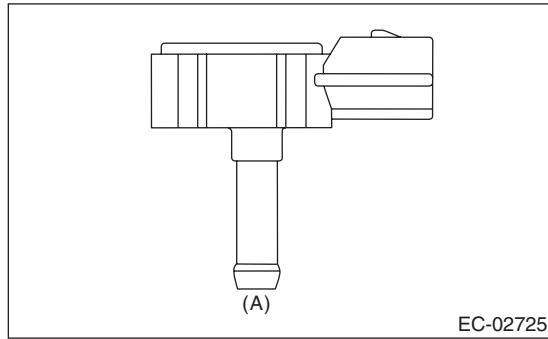
The atmospheric pressure at higher altitude is lower than normal. Therefore, the voltage is lower than the standard value.

Terminal No.	Standard
2 (+) and 1 (-)	Approx. 2.5 V (when 25°C (77°F))

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- 4) Connect the Mighty Vac to the pressure port (A) of fuel tank pressure sensor.



- 5) Check the voltage when generating vacuum and positive pressure using Mighty Vac.

CAUTION:

Do not apply pressure out of the range of -10 — 20 kPa (-0.1 — 0.2 kgf/cm², -1.45 — 2.90 psi). Doing so may damage the fuel tank pressure sensor.

Pressure	Terminal No.	Standard
-6.67 kPa (-0.07 kgf/cm ² , -0.97 psi)	2 (+) and 1 (-)	Approx. 0.5 V (when 25°C (77°F))
6.67 kPa (0.07 kgf/cm ² , 0.97 psi)		Approx. 4.5 V (when 25°C (77°F))

2. OTHER INSPECTIONS

Check that the hose has no cracks, damage or loose part.