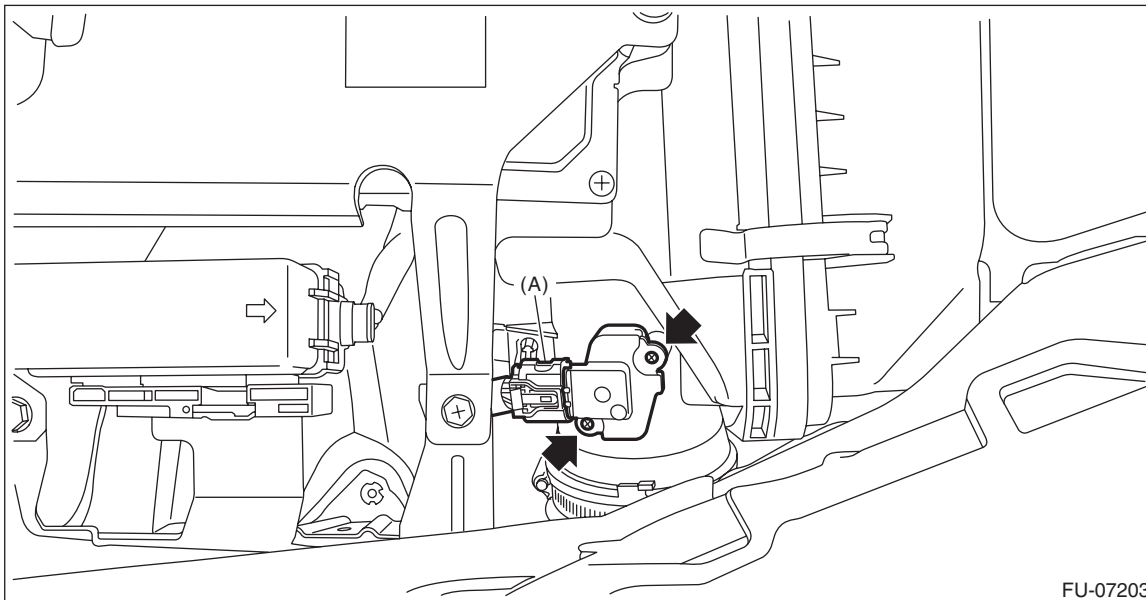


## 19. Mass Air Flow and Intake Air Temperature Sensor

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Disconnect the connector (A) from the mass air flow and intake air temperature sensor, and remove the mass air flow and intake air temperature sensor.



### B: INSTALLATION

Install in the reverse order of removal.

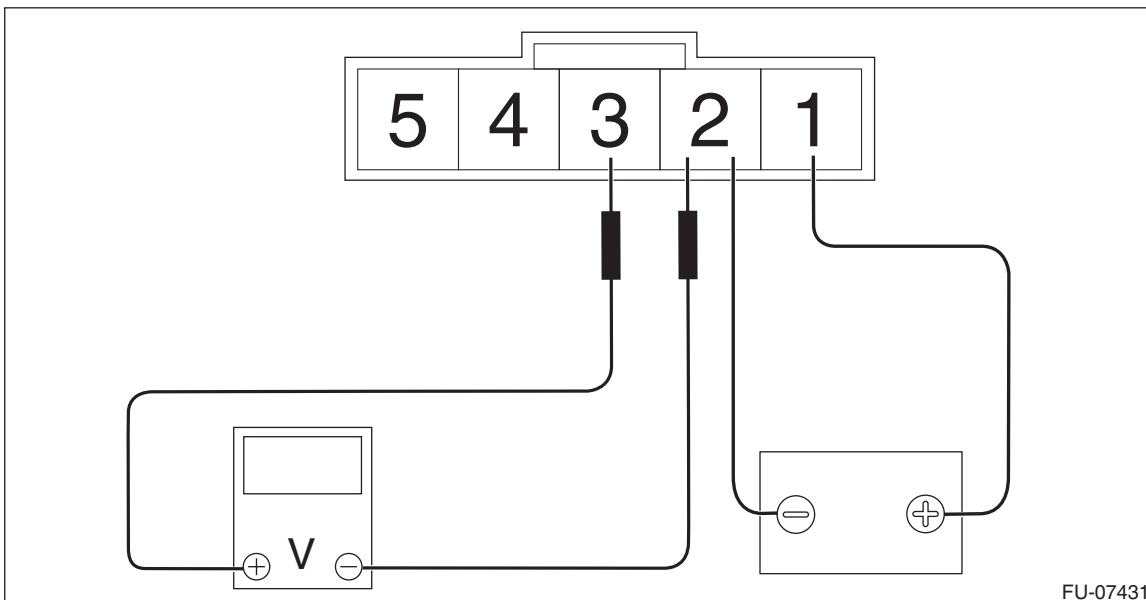
**Tightening torque:**

**1 N·m (0.1 kgf-m, 0.7 ft-lb)**

### C: INSPECTION

#### 1. CHECK THE MASS AIR FLOW SENSOR UNIT

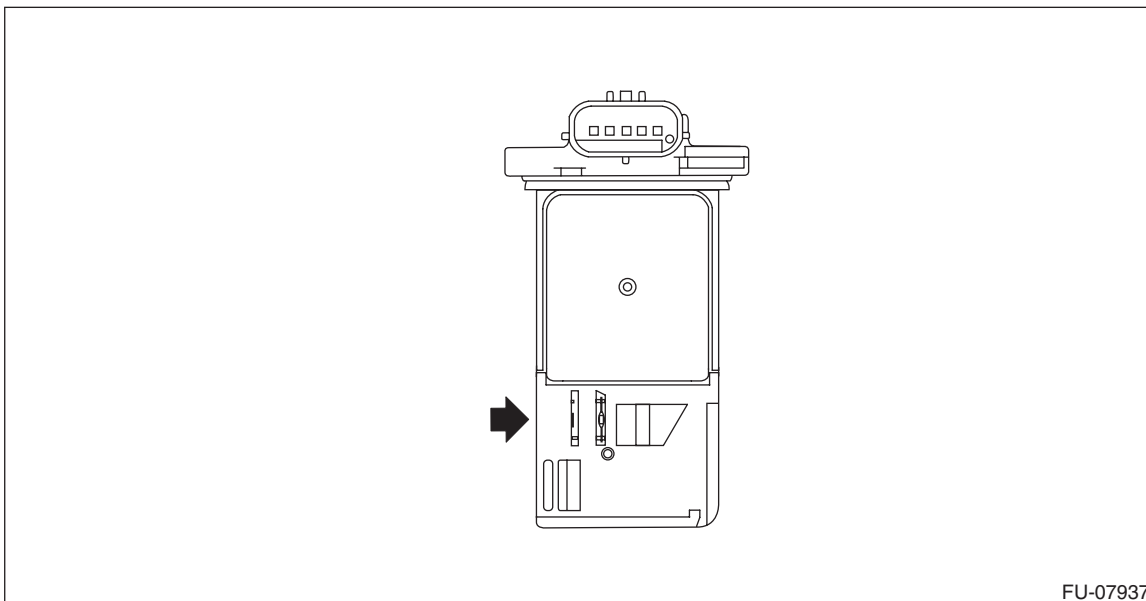
- 1) Connect the battery positive terminal to terminal No. 1 and the battery ground terminal to terminal No. 2, the circuit tester positive terminal to terminal No. 3 and the circuit tester ground terminal to terminal No. 2.



# Mass Air Flow and Intake Air Temperature Sensor

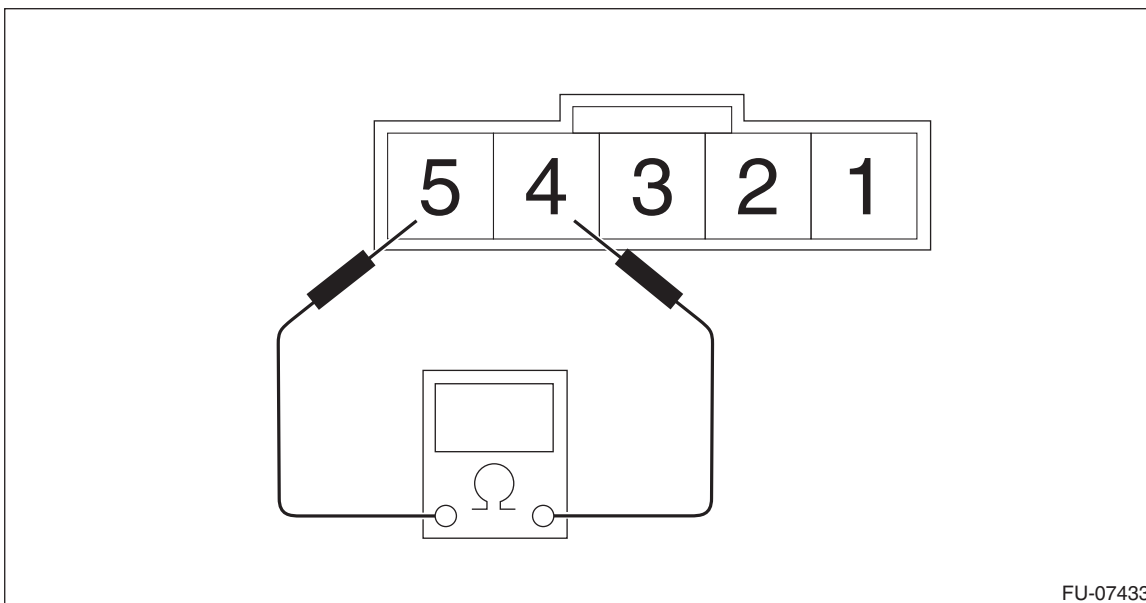
## FUEL INJECTION (FUEL SYSTEMS)

2) Check the voltage changes when air is blown to the mass air flow sensor unit in arrow direction.



## 2. CHECK THE INTAKE AIR TEMPERATURE SENSOR UNIT

Measure the resistance between intake air temperature sensor terminals.



Temperature	Terminal No.	Standard
-20°C (-4°F)	4 and 5	14.7±2.2 kΩ
25°C (77°F)		2.0±0.2 kΩ
60°C (140°F)		0.59±0.09 kΩ

## 3. OTHER INSPECTIONS

- 1) Check that the mass air flow and intake air temperature sensor has no deformation, cracks or other damages.
- 2) Check that the mass air flow and intake air temperature sensor has no dirt.