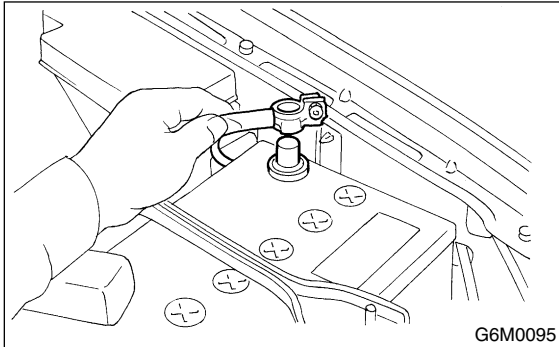


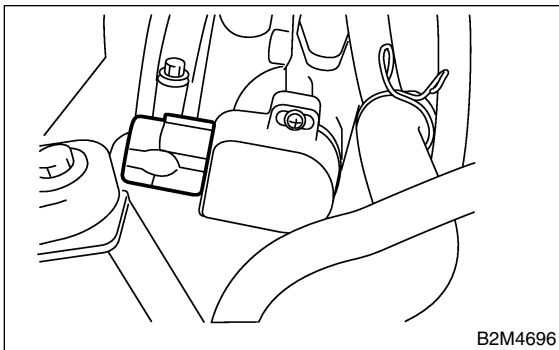
## 8. Throttle Position Sensor S175039

### A: REMOVAL S175039A18

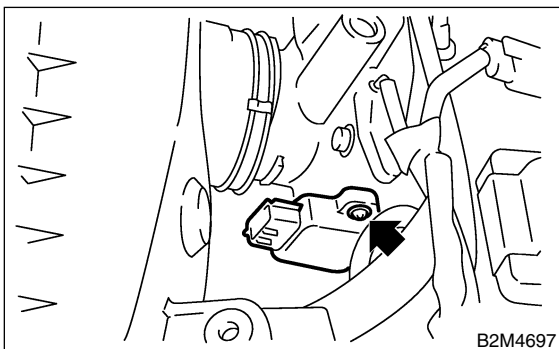
- 1) Disconnect battery ground cable.



- 2) Disconnect connector from throttle position sensor.



- 3) Remove throttle position sensor holding screws, and remove it.



### B: INSTALLATION S175039A11

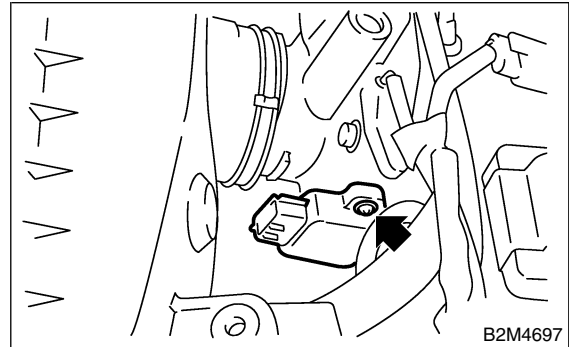
Install in the reverse order of removal.

**Tightening torque:**

**1.6 N·m (0.16 kgf·m, 1.2 ft·lb)**

**CAUTION:**

**When installing throttle position sensor, adjust to the specified data.**

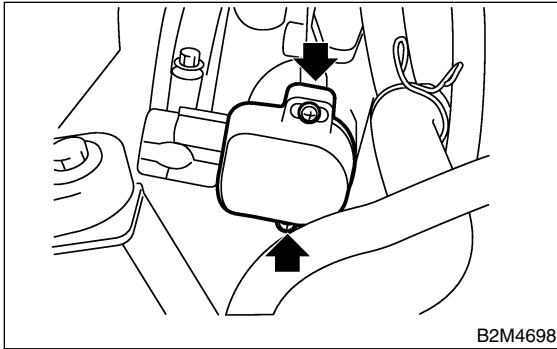


# THROTTLE POSITION SENSOR

Fuel Injection (Fuel Systems)

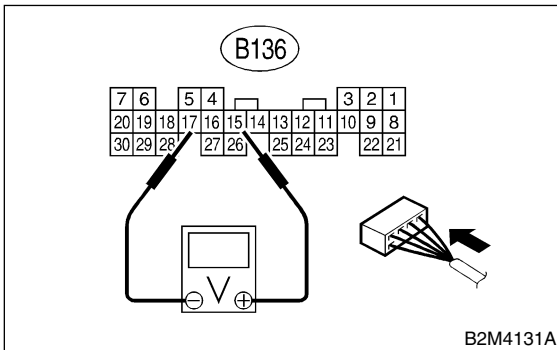
## C: ADJUSTMENT S175039A01

- 1) Turn ignition switch to OFF.
- 2) Loosen throttle position sensor holding screws.



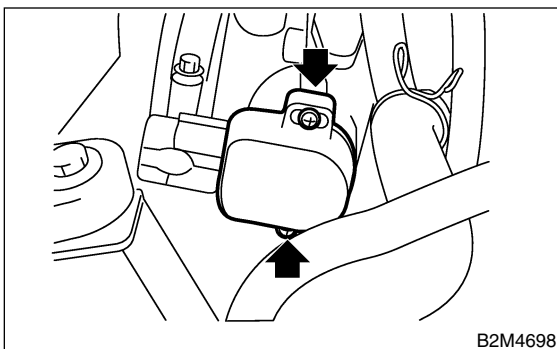
- 3) When using voltage meter;
  - (1) Take out ECM.
  - (2) Turn ignition switch to ON.
  - (3) Adjust throttle position sensor to the proper position to allow the voltage signal to ECM to be in specification.

**Connector & terminal / Specified voltage**  
**(B136) No. 15 — (B136) No. 17 / 0.45 —**  
**0.55 V**  
**[Fully closed.]**



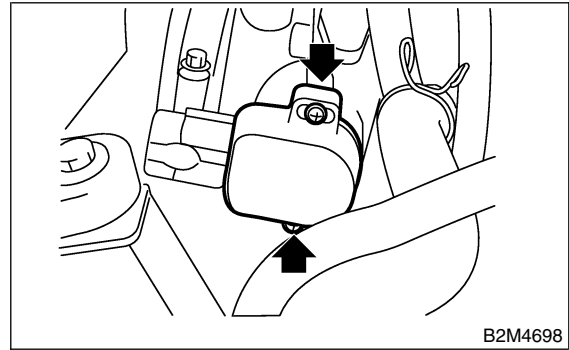
- (4) Tighten throttle position sensor holding screws.

**Tightening torque:**  
**1.6 N·m (0.16 kgf·m, 1.2 ft·lb)**



- 4) When using Subaru Select Monitor;
  - (1) Turn ignition switch to OFF.

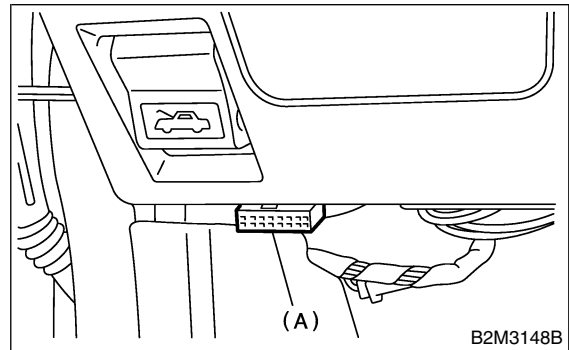
- (2) Loosen throttle position sensor holding screws.



### NOTE:

For detailed operation procedures, refer to the Subaru Select Monitor Operation Manual.

- (3) Insert the cartridge to Subaru Select Monitor. <Ref. to FU-13, PREPARATION TOOL, General Description.>
- (4) Connect Subaru Select Monitor to the data link connector (A).



- 5) Turn ignition switch to ON, and Subaru Select Monitor switch to ON.
- 6) Select {2. Each System Check} in Main Menu.
- 7) Select {Engine Control System} in Selection Menu.
- 8) Select {1. Current Data Display & Save} in Engine Control System Diagnosis.
- 9) Select {1.12 Data Display} in Data Display Menu.
- 10) Adjust throttle position sensor to the proper position to match with the following specifications.

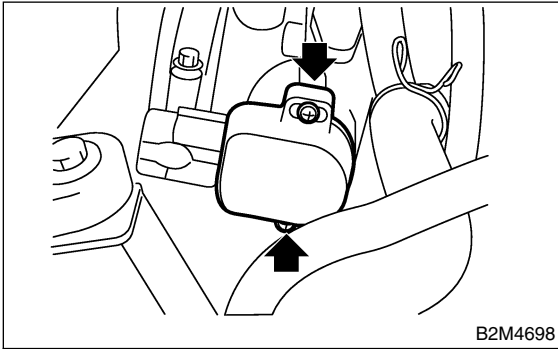
**Condition: Throttle fully closed**  
**Throttle opening angle 0.00%**  
**Throttle sensor voltage 0.50 V**

- 11) Tighten throttle position sensor holding screws.

# THROTTLE POSITION SENSOR

Fuel Injection (Fuel Systems)

**Tightening torque:**  
**1.6 N·m (0.16 kgf-m, 1.2 ft-lb)**



B2M4698