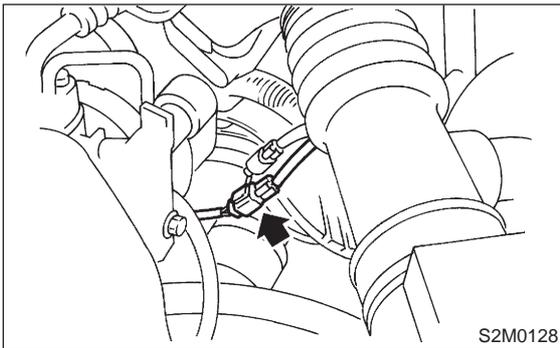
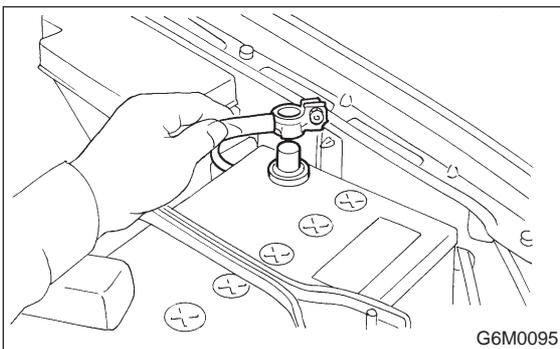


- 4) Connect connector to rear oxygen sensor.

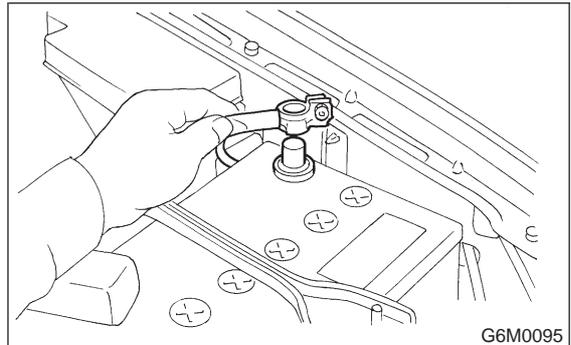


- 5) Connect battery ground cable.

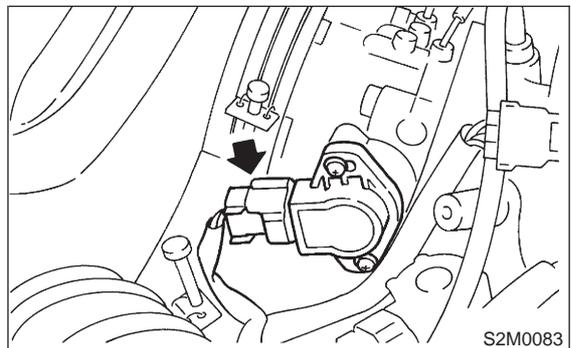


## 11. Throttle Position Sensor A: REMOVAL AND INSTALLATION

- 1) Disconnect battery ground cable.



- 2) Disconnect connector from throttle position sensor.



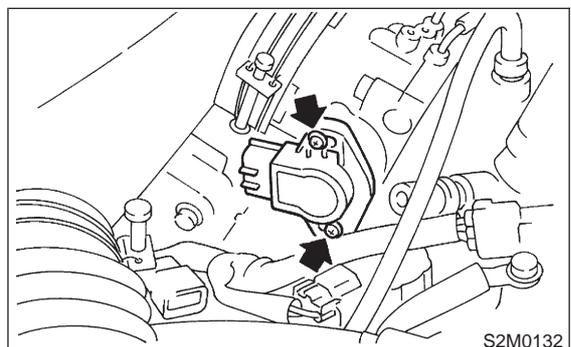
- 3) Remove throttle position sensor holding screws, and remove it.  
4) Installation is in the reverse order of removal.

**Tightening torque:**

**$2.2 \pm 0.2$  N·m ( $0.22 \pm 0.02$  kg·m,  $1.6 \pm 0.1$  ft·lb)**

**CAUTION:**

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



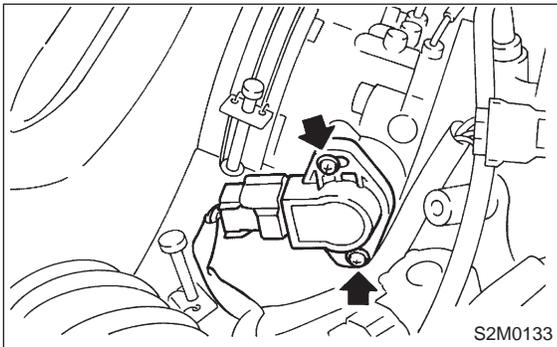
## B: ADJUSTMENT

### 1. WITHOUT ORVR MODEL

- 1) Turn ignition switch to OFF.

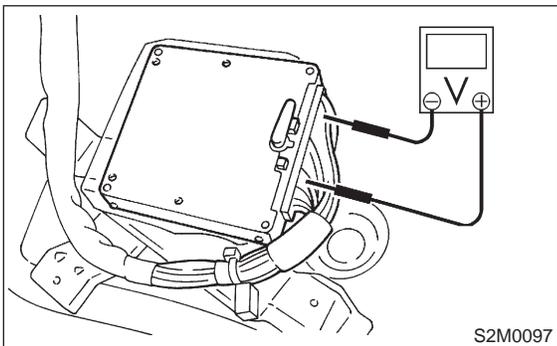
## 11. Throttle Position Sensor

- 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 so that signal voltage to ECM may be in specification.

**Connector & terminal / Specified voltage**  
**(B84) No. 24 — (B84) No. 25 / 0.45 — 0.55 V**  
**[Fully closed.]**



- (4) Tighten throttle position sensor holding screws.

**Tightening torque:**  
**2.2±0.2 N·m (0.22±0.02 kg·m, 1.6±0.1 ft·lb)**

- 4) When using SUBARU SELECT MONITOR;

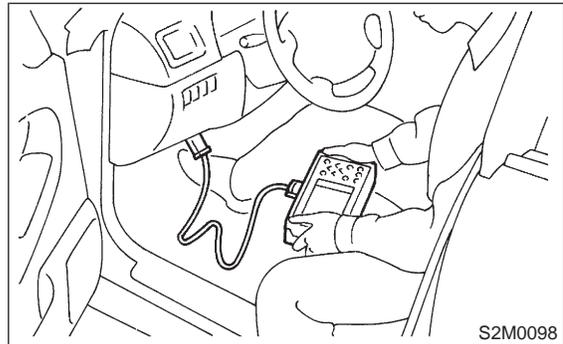
## NOTE:

For detailed operation procedures, refer to the SUBARU SELECT MONITOR OPERATION MANUAL.

- (1) Insert the cartridge to SUBARU SELECT MONITOR.
- (2) Connect SUBARU SELECT MONITOR to the data link connector.
- (3) Turn ignition switch to ON, and SUBARU SELECT MONITOR switch to ON.
- (4) Select {2. Each System Check} in Main Menu.
- (5) Select {EGI/EMPI} in Selection Menu.
- (6) Select {1. Current Data Display & Save} in EGI/EMPI Diagnosis.
- (7) Select {1.12 Data Display} in Data Display Menu.

- (8) Adjust throttle position sensor to the following specifications.

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

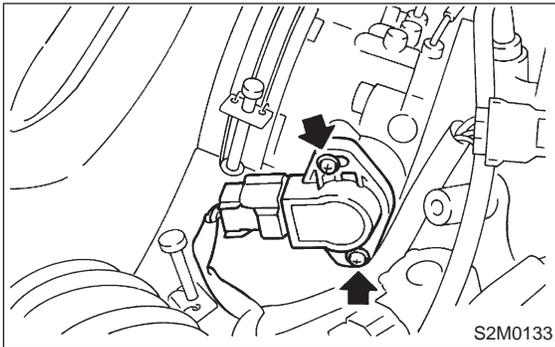


- (9) Tighten throttle position sensor holding screws.

**Tightening torque:**  
**2.2±0.2 N·m (0.22±0.02 kg·m, 1.6±0.1 ft·lb)**

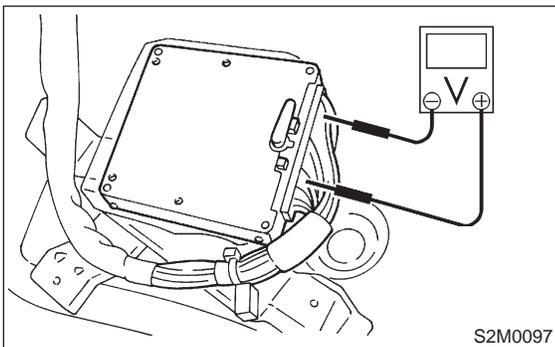
**2. WITH ORVR MODEL**

- 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 so that signal voltage to ECM may be in specification.

**Connector & terminal / Specified voltage**  
**(B84) No. 24 — (B84) No. 25 / 0.45 — 0.55**  
**V**  
**[Fully closed.]**



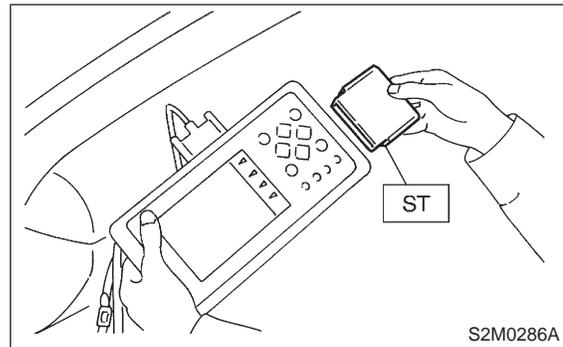
- (4) Tighten throttle position sensor holding screws.

**Tightening torque:**  
**2.2±0.2 N·m (0.22±0.02 kg·m, 1.6±0.1 ft·lb)**

- 4) When using SUBARU SELECT MONITOR;

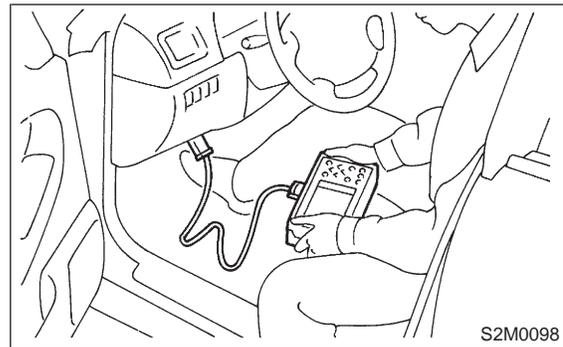
**NOTE:**  
 For detailed operation procedures, refer to the SUBARU SELECT MONITOR OPERATION MANUAL.

- (1) Insert the cartridge to SUBARU SELECT MONITOR.  
**ST 24082AA030 CARTRIDGE**



- (2) Connect SUBARU SELECT MONITOR to the data link connector.
- (3) Turn ignition switch to ON, and SUBARU SELECT MONITOR switch to ON.
- (4) Select {2. Each System Check} in Main Menu.
- (5) Select {EGI/EMPI} in Selection Menu.
- (6) Select {1. Current Data Display & Save} in EGI/EMPI Diagnosis.
- (7) Select {1.12 Data Display} in Data Display Menu.
- (8) Adjust throttle position sensor to the following specifications.

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



- (9) Tighten throttle position sensor holding screws.

**Tightening torque:**  
**2.2±0.2 N·m (0.22±0.02 kg·m, 1.6±0.1 ft·lb)**