

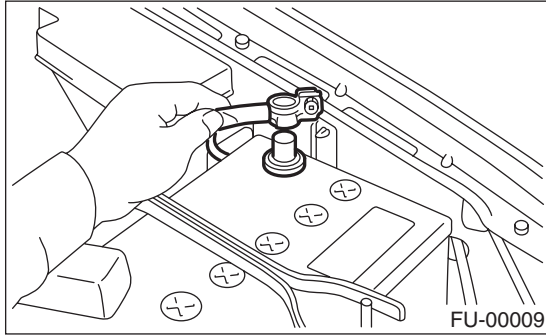
THROTTLE POSITION SENSOR

FUEL INJECTION (FUEL SYSTEMS)

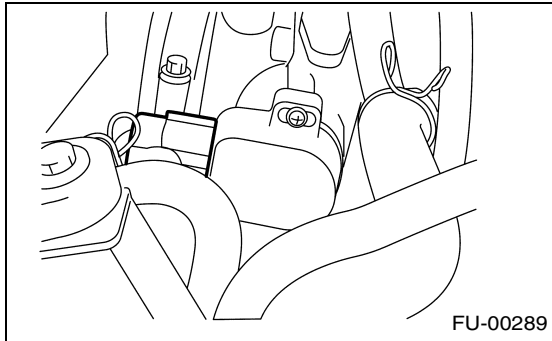
8. Throttle Position Sensor

A: REMOVAL

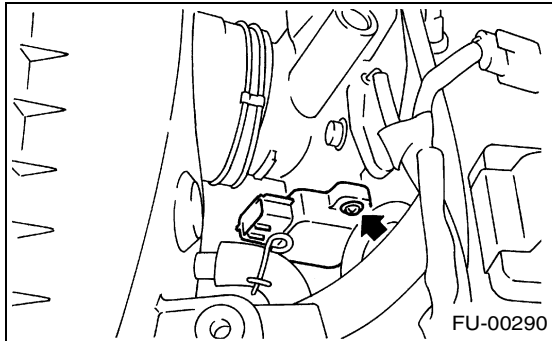
- 1) Disconnect the ground cable from battery.



- 2) Disconnect the connectors from throttle position sensor.



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



B: INSTALLATION

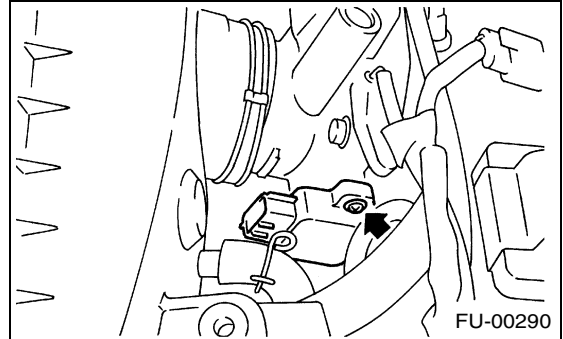
Install in the reverse order of removal.

Tightening torque:

1.6 N·m (0.16 kgf-m, 1.2 ft-lb)

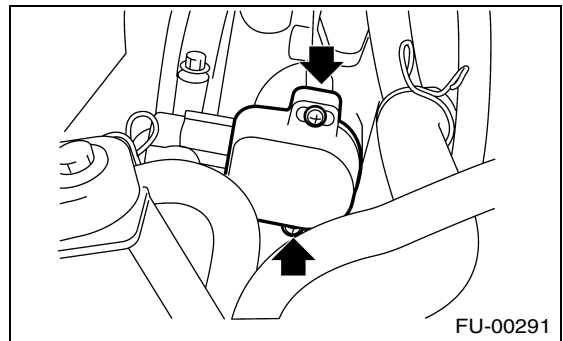
CAUTION:

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



C: ADJUSTMENT

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

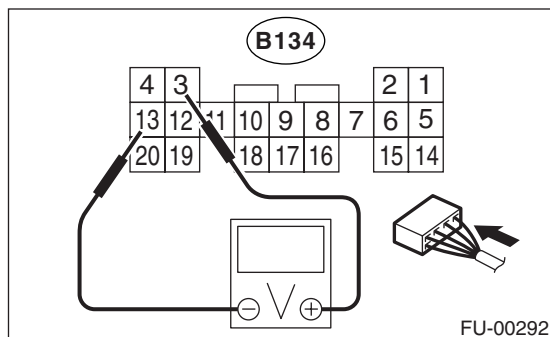


- 3) When using a voltmeter;
 - (1) Take out the ECM.
 - (2) Turn the ignition switch to ON.
 - (3) Adjust the throttle position sensor to the proper position to allow the voltage signal to the ECM to be in specification.

THROTTLE POSITION SENSOR

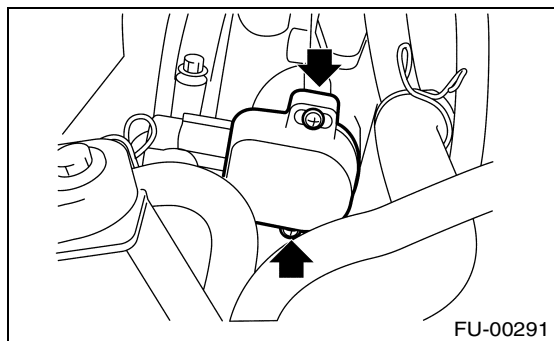
FUEL INJECTION (FUEL SYSTEMS)

Connector & terminal / Specified voltage
(B134) No. 3 (+) — (B134) No. 13 (–) /0.45 —
0.55 V
[Fully closed.]

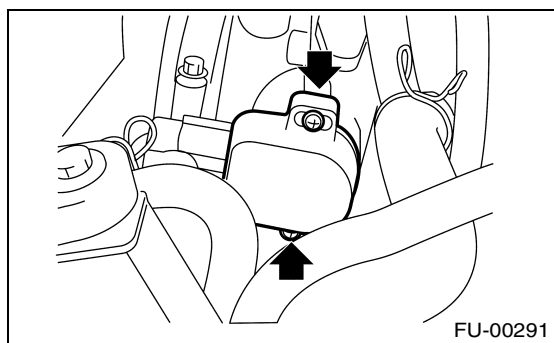


(4) Tighten the throttle position sensor holding screws.

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



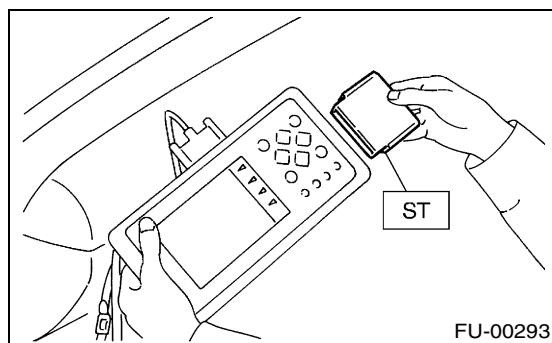
- 4) When using Subaru Select Monitor;
- (1) Turn the ignition switch to OFF.
 - (2) Loosen the throttle position sensor holding screws.



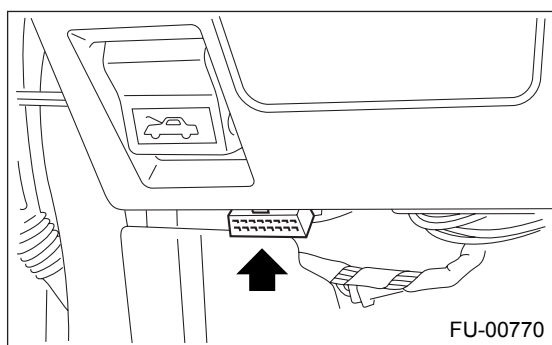
NOTE:

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

(3) Insert the cartridge to the Subaru Select Monitor.



(4) Connect the Subaru Select Monitor to the data link connector.



(5) Turn the ignition switch to ON, and the 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 the 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

THROTTLE POSITION SENSOR

FUEL INJECTION (FUEL SYSTEMS)

(11) Tighten the throttle position sensor holding screws.

Tightening torque:

1.6 N·m (0.16 kgf-m, 1.2 ft-lb)

