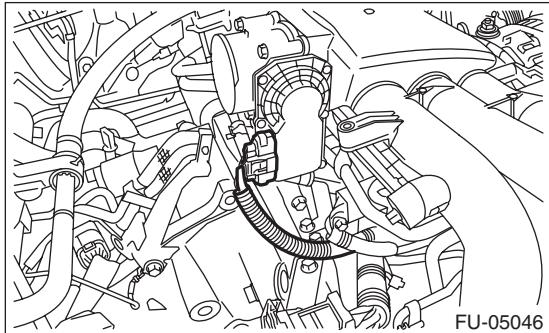


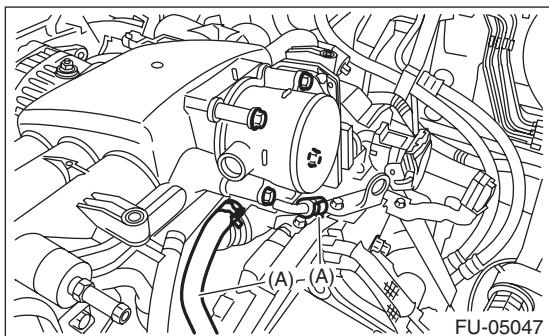
## 2. Throttle Body

### A: REMOVAL

- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.
- 3) Remove the air intake chamber. <Ref. to IN(H6DO)-8, REMOVAL, Air Intake Chamber.>
- 4) Disconnect the connector from the throttle body.



- 5) Disconnect the engine coolant hoses (A) from throttle body.
- 6) Remove the bolts which secure the throttle body to the intake manifold.



### B: INSTALLATION

Install in the reverse order of removal.

NOTE:

Use new O-rings.

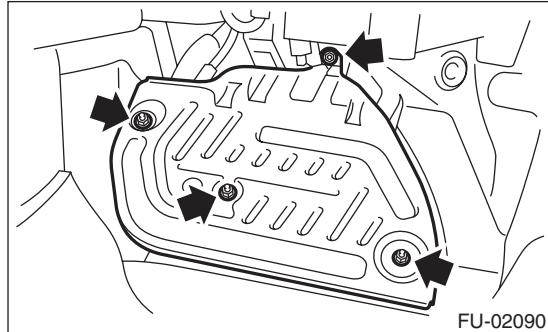
**Tightening torque:**

8 N·m (0.8 kgf·m, 5.9 ft-lb)

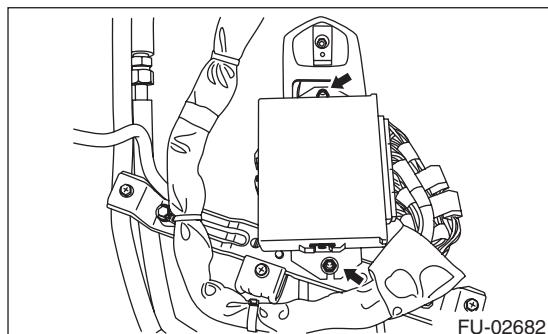
### C: INSPECTION

#### 1. THROTTLE SENSOR (METHOD WITH CIRCUIT TESTER)

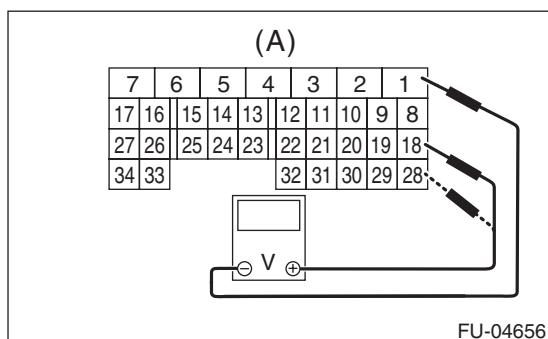
- 1) Disconnect the ground cable from battery.
- 2) Remove the front pillar lower trim and console side panel lower RH of passenger's side.
- 3) Detach the floor mat of passenger's seat.
- 4) Remove the protect cover.



- 5) Remove the ECM from vehicle.



- 6) Turn the ignition switch to ON. (engine OFF)
- 7) Measure the voltage between ECM connector terminals.



(A) To ECM connector

# Throttle Body

## FUEL INJECTION (FUEL SYSTEMS)

Throttle sensor	Accelerator pedal	Terminal No.	Standard
Main	Not depressed (Full closed)	18 (+) and 1 (-)	Approx. 0.6 V
	Depressed (Full opened)		Approx. 4.04 V
Sub	Not depressed (Full closed)	28 (+) and 1 (-)	Approx. 1.48 V
	Depressed (Full opened)		Approx. 4.23 V

8) After inspection, install the related parts in the reverse order of removal.

### ***Tightening torque:***

**7.5 N·m (0.8 kgf·m, 5.5 ft-lb)**

## **2. THROTTLE SENSOR (METHOD WITH SUBARU SELECT MONITOR)**

- 1) Turn the ignition switch to ON. (engine OFF)
- 2) Read the throttle opening angle signal and voltage of throttle sensor using Subaru Select Monitor.  
<Ref. to EN(H6DO)(diag)-37, READ CURRENT DATA FOR ENGINE (NORMAL MODE), OPERATION, Subaru Select Monitor.>

Throttle sensor	Throttle opening angle signal	Standard
Main	0.0%	Approx. 0.6 V
	100.0%	Approx. 4.04 V
Sub	0.0%	Approx. 1.48 V
	100.0%	Approx. 4.23 V

## **3. OTHER INSPECTIONS**

- 1) Check that the throttle body has no deformation, cracks or other damages.
- 2) Check that the engine coolant hose has no cracks, damage or loose part.