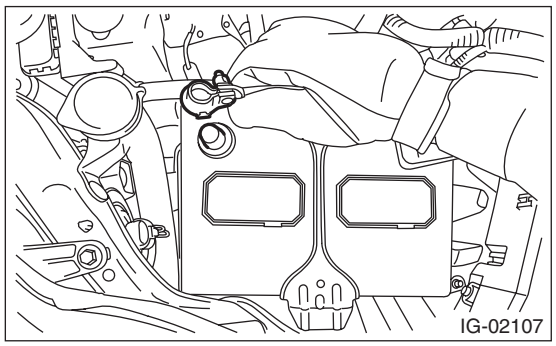
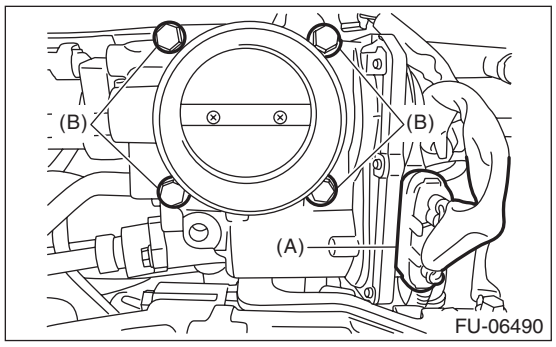
2. Throttle Body

A: REMOVAL

1) Disconnect the ground cable from battery.



2) Remove the air intake boot assembly. <Ref. to IN(H4SO)-8, REMOVAL, Air Intake Boot.>
3) Disconnect the throttle position sensor connector (A).
4) Remove the bolts (B) which secure the throttle body to the multi-function duct assembly, and remove the throttle body.



B: INSTALLATION

Install in the reverse order of removal.

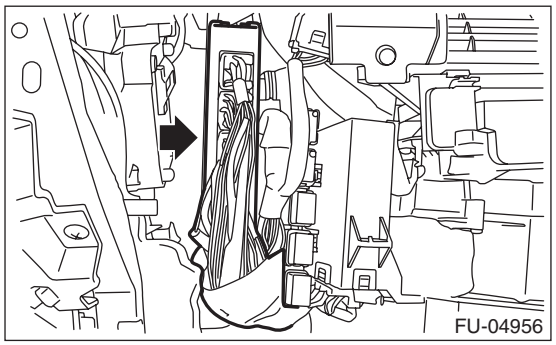
NOTE:
Use a new gasket.

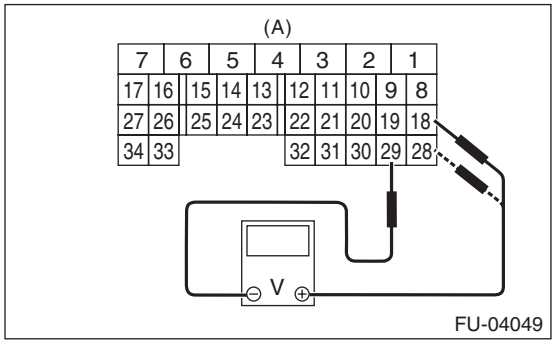
Tightening torque:
8 N·m (0.8 kgf-m, 5.9 ft-lb)

C: INSPECTION

1. THROTTLE SENSOR (METHOD WITH CIRCUIT TESTER)

1) Warm up the engine.
2) Remove the glove box lid assembly. <Ref. to EI-65, REMOVAL, Glove Box.>
3) Turn the ignition switch to ON. (engine OFF)
4) Measure the voltage between ECM connector terminals.





(A) To ECM connector

Throttle sensor	Accelerator pedal	Terminal No.	Standard
Main	Not depressed	18 (+) and 29 (–)	Approx. 0.9 V
Sub	Not depressed	28 (+) and 29 (–)	Approx. 1.7 V

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

2. THROTTLE SENSOR (METHOD WITH SUBARU SELECT MONITOR)

1) Warm up the engine.
2) Turn the ignition switch to ON. (engine OFF)
3) Read the throttle opening angle signal and voltage of throttle sensor using Subaru Select Monitor. <Ref. to EN(H4SO)(diag)-34, READ CURRENT DATA FOR ENGINE (NORMAL MODE), OPERATION, Subaru Select Monitor.>

Throttle sensor	Throttle opening angle signal	Standard
Main	5%	Approx. 0.9 V
Sub	5%	Approx. 1.7 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.