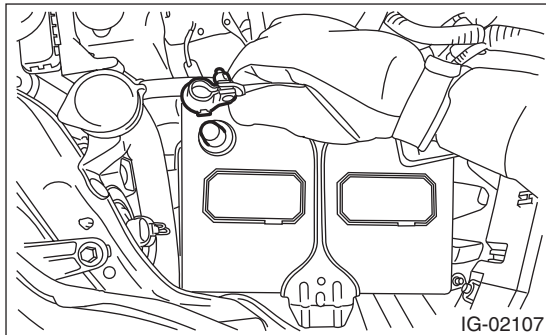


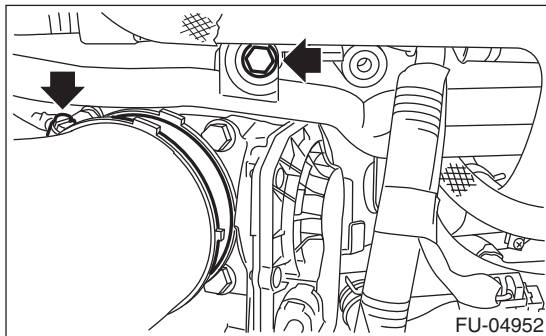
2. Throttle Body

A: REMOVAL

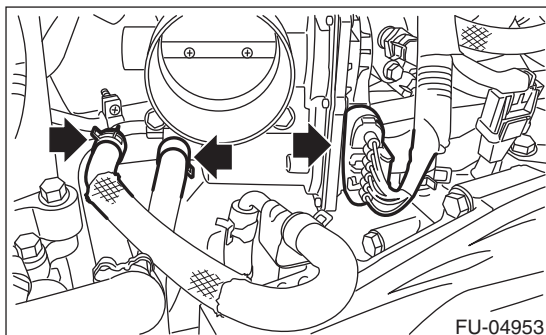
- 1) Remove the collector cover.
- 2) Disconnect the ground cable from battery.



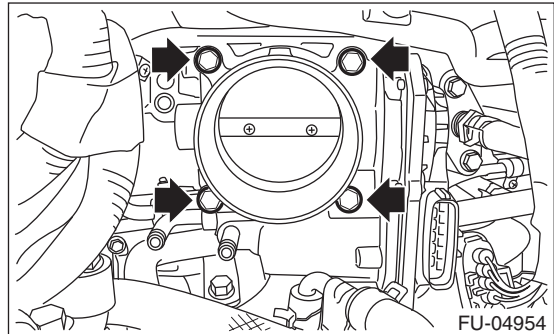
- 3) Lift up the vehicle.
- 4) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>
- 5) Drain approximately 2.0 ℓ (2.1 US qt, 1.8 Imp qt) of engine coolant. <Ref. to CO(H4DOTC)-14, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 6) Remove the intercooler. <Ref. to IN(H4DOTC)-17, REMOVAL, Intercooler.>
- 7) Remove the bolts which secure the engine harness and PCV pipe to the intake manifold, and remove the intake duct from the throttle body.



- 8) Disconnect the connectors and preheater hoses from the throttle position sensor.



- 9) Remove the bolts which secure the throttle body to the intake manifold, and remove the throttle body.

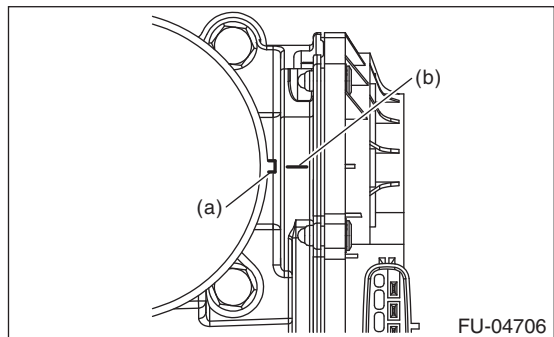


B: INSTALLATION

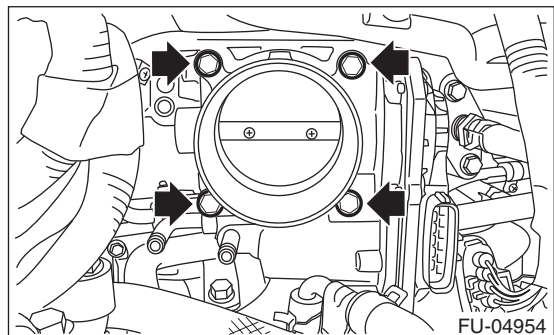
Install in the reverse order of removal.

NOTE:

- Use new O-rings.
- When installing the intake duct to the throttle body, align the protrusion (a) on the intake duct to the installation position mark (b) on the throttle body to install.



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



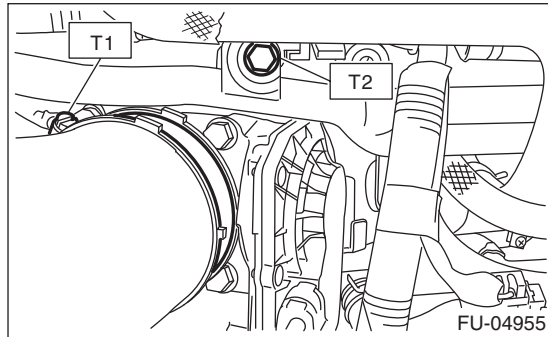
Throttle Body

FUEL INJECTION (FUEL SYSTEMS)

Tightening torque:

T1: 3 N·m (0.3 kgf-m, 2.2 ft-lb)

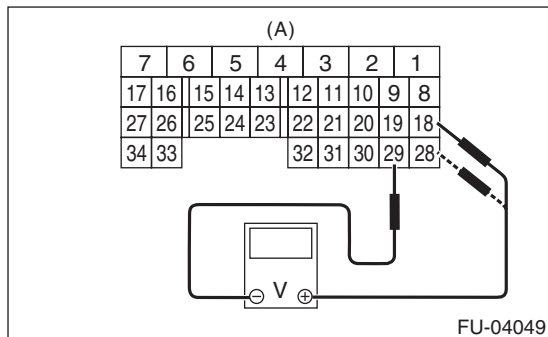
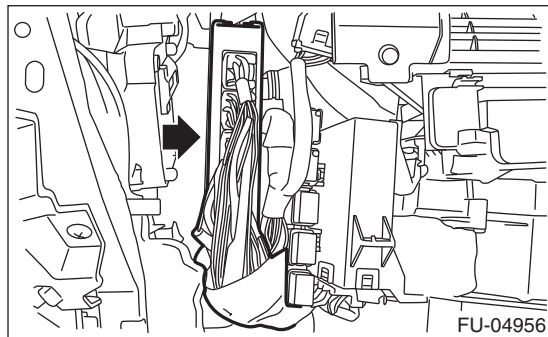
T2: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)



C: INSPECTION

1. THROTTLE SENSOR INSPECTION (METHOD WITH CIRCUIT TESTER)

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



(A) To ECM connector

Throttle sensor	Accelerator pedal	Terminal No.	Standard
Main	Not depressed (Full closed)	18 (+) and 29 (-)	Approx. 0.6 V
	Depressed (Full opened)		Approx. 4.04 V
Sub	Not depressed (Full closed)	28 (+) and 29 (-)	Approx. 1.48 V
	Depressed (Full opened)		Approx. 4.23 V

2. THROTTLE SENSOR INSPECTION (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(H4DOTC)(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