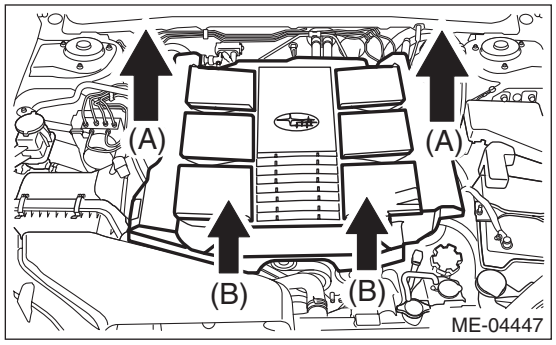
2. Throttle Body

A: REMOVAL

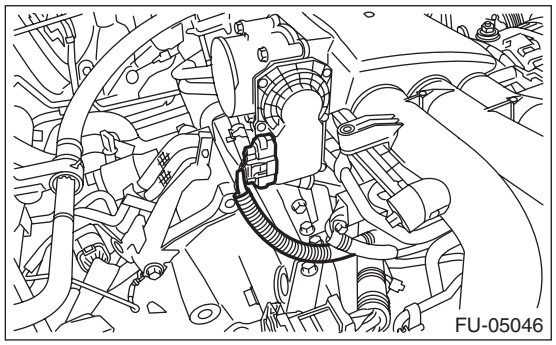
1) Remove the collector cover.

NOTE:
Follow these procedures for removal of the collector cover.

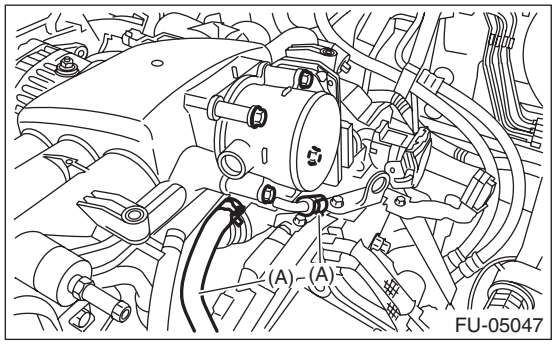
(1) Lift up the rear side holding two positions (A).
(2) Lift up the front side holding two positions (B) while moving it in the forward direction of the vehicle.



2) Disconnect the ground cable from battery.
3) Remove the air intake boot assembly. <Ref. to IN(H6DO)-7, REMOVAL, Air Intake Boot.>
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.

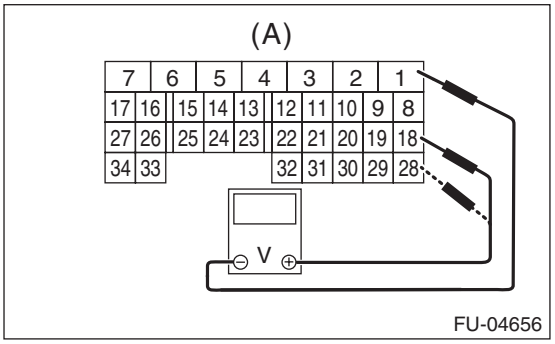
NOTE:
Use new O-rings.

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

C: INSPECTION

1. THROTTLE SENSOR (METHOD WITH CIRCUIT TESTER)

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



(A) To ECM connector

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

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

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)-35, 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.