

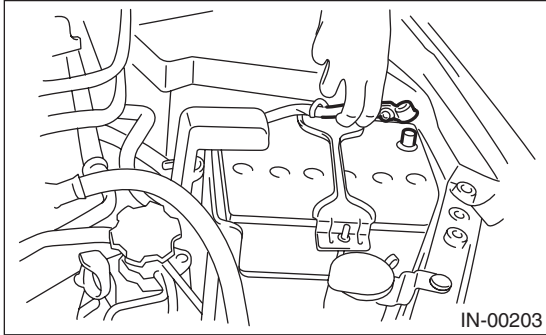
Accelerator Pedal

SPEED CONTROL SYSTEMS

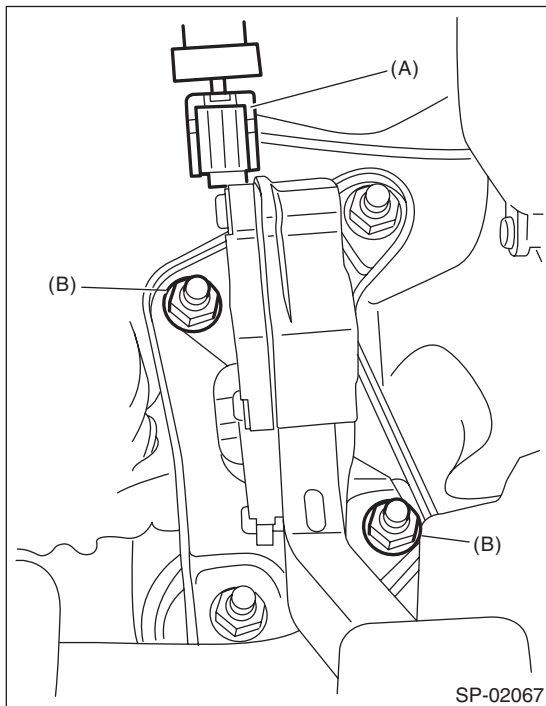
2. Accelerator Pedal

A: REMOVAL

- 1) Disconnect the ground cable from battery.



- 2) Disconnect the connector (A).
- 3) Remove the nut (B) securing accelerator pedal assembly, and remove the accelerator pedal assembly.



B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)

C: DISASSEMBLY

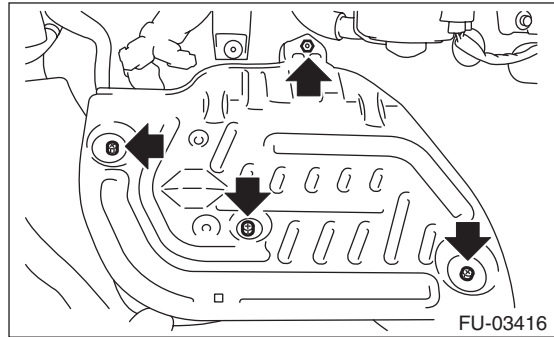
NOTE:

The accelerator pedal cannot be disassembled.

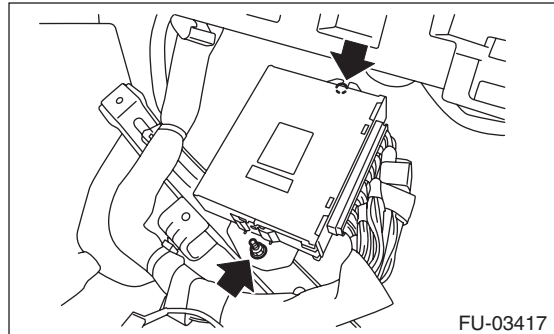
D: INSPECTION

1. CHECK ACCELERATOR PEDAL SENSOR AREA (METHOD WITH CIRCUIT TESTER)

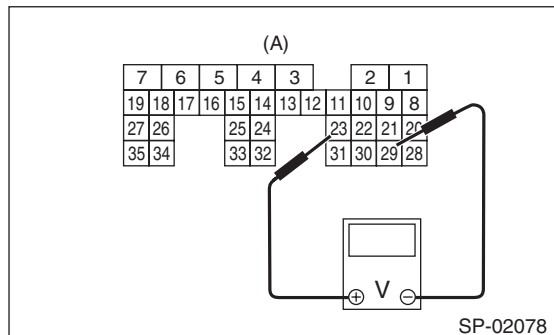
- 1) Remove the lower inner trim of passenger's side. <Ref. to EI-57, REMOVAL, Lower Inner Trim.>
- 2) Turn over the floor mat of passenger's seat.
- 3) Remove the protect cover.



- 4) Remove the nuts and bolts which hold the ECM to the bracket.

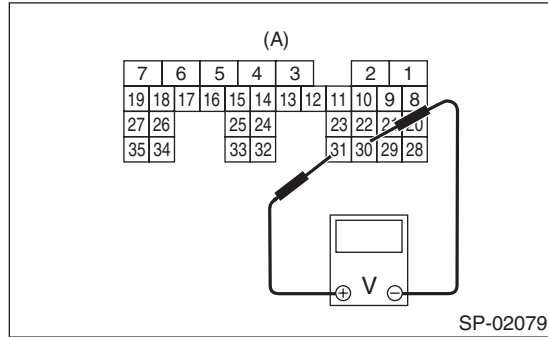


- 5) Turn the ignition switch to ON. (engine OFF)
 - 6) Measure the voltage between ECM connector terminals.
- Main sensor side



(A) To ECM connector

- Sub sensor side



(A) To ECM connector

Accelerator pedal sensor	Accelerator pedal	Terminal No.	Standard
Main	Not depressed (Full closed)	23 (+) and 29 (-)	0.4 — 1.0 V
	Depressed (Full opened)		2.4 — 3.7 V
Sub	Not depressed (Full closed)	31 (+) and 30 (-)	0.3 — 1.1 V
	Depressed (Full opened)		2.3 — 3.8 V

7) 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. CHECK ACCELERATOR PEDAL SENSOR AREA (METHOD WITH SUBARU SELECT MONITOR)

- 1) Turn the ignition switch to ON. (engine OFF)
- 2) Read the accelerator pedal opening angle signal and voltage of accelerator pedal sensor using Subaru Select Monitor. <Ref. to EN(H4DOTC)(diag)-41, READ CURRENT DATA FOR ENGINE (NORMAL MODE), OPERATION, Subaru Select Monitor.>

Accelerator pedal sensor	Accelerator pedal opening angle signal	Standard
Main	0.0%	0.4 — 1.0 V
	100.0%	2.4 — 3.7 V
Sub	0.0%	0.3 — 1.1 V
	100.0%	2.3 — 3.8 V

3. OTHER INSPECTIONS

- 1) Check that the accelerator pedal does not have deformation, cracks or damage.
- 2) Check for smooth operation when the accelerator pedal is depressed.
- 3) Check if the accelerator pedal returns to its original position smoothly when the pedal is released.

Accelerator Pedal

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