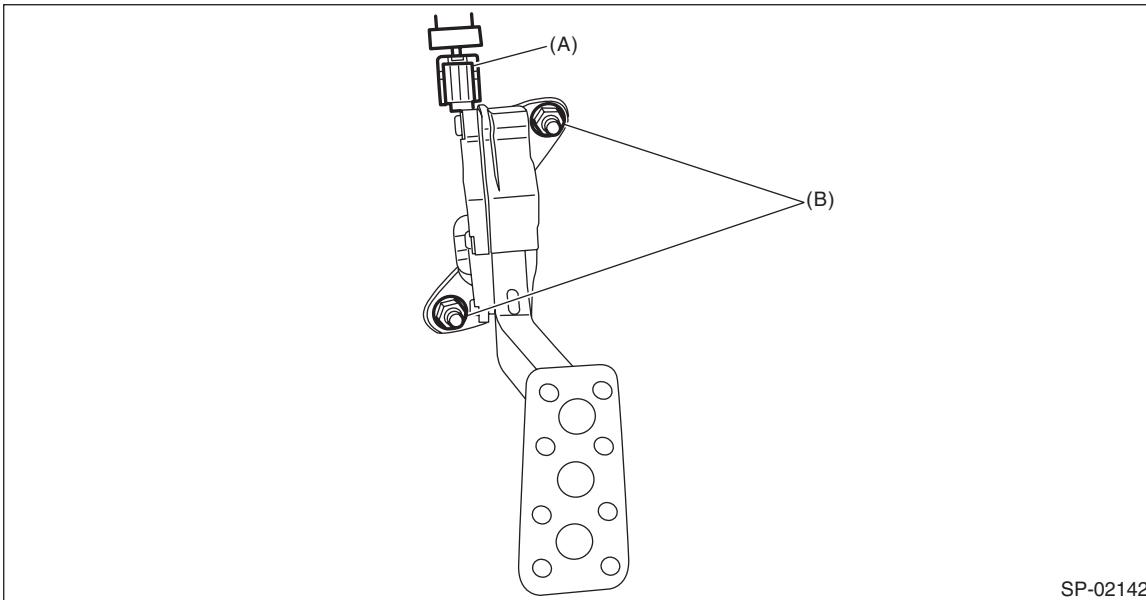


2. Accelerator Pedal

A: REMOVAL

- 1) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 2) Disconnect the connector (A).
- 3) Remove the nut (B) securing accelerator pedal assembly, and remove the accelerator pedal assembly.



SP-02142

B: INSTALLATION

Install in the reverse order of removal.

Tightening torque:

7.5 N·m (0.8 kgf·m, 5.5 ft-lb)

C: DISASSEMBLY

NOTE:

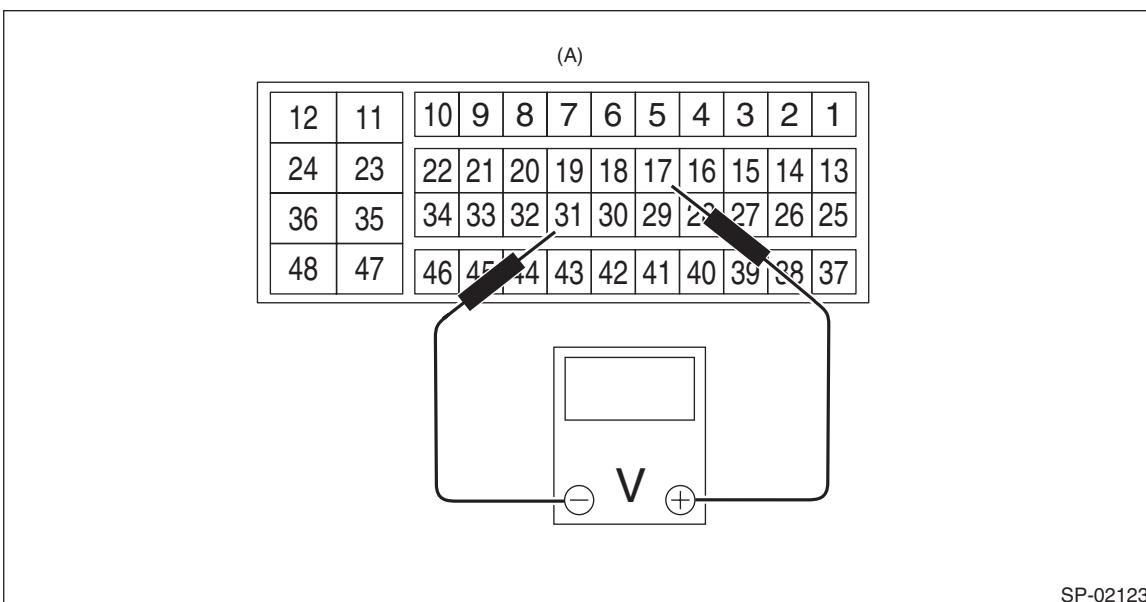
The accelerator pedal cannot be disassembled.

D: INSPECTION

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

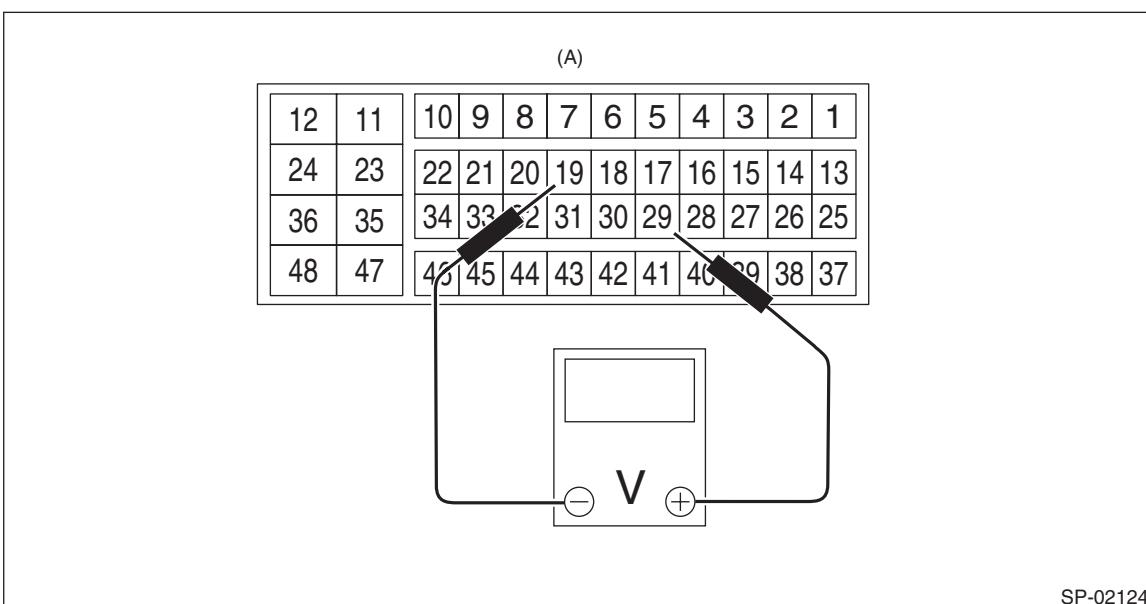
- 1) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 2) Remove the ECM. <Ref. to FU(w/o STI)-132, REMOVAL, Engine Control Module (ECM).>
- 3) Install the ST between the ECM and bulkhead harness and the engine harness. <Ref. to EN(w/o STI)(diag)-6, CAUTION, General Description.>
ST 18460AA030 CHECK BOARD
- 4) Connect the ground terminal to battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 5) Turn the ignition switch to ON. (engine OFF)

- 6) Measure the voltage between ECM connector terminals using ST.
Main sensor side



SP-02123

- Sub sensor side



SP-02124

- (A) To the check board connector
(ECM connector)

Accelerator pedal sensor	Accelerator pedal	Terminal No.	Standard
Main	Not depressed (full closed)	17 (+) and 31 (-)	0.4 — 1.0 V
	Depressed (full opened)		2.4 — 3.7 V
Sub	Not depressed (full closed)	29 (+) and 19 (-)	0.4 — 1.0 V
	Depressed (full opened)		2.4 — 3.7 V

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

Accelerator Pedal

SPEED CONTROL SYSTEMS

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(w/o STI)(diag)-37, DISPLAY CURRENT ENGINE DATA, 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%	0.4 — 1.0 V
	100.0%	2.4 — 3.7 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.

IGNITION

IG(w/o STI)

	Page
1. General Description	2
2. Spark Plug	4
3. Ignition Coil	11