

ACCELERATOR PEDAL

ON-VEHICLE INSPECTION

1. INSPECT ACCELERATOR PEDAL ROD

- (a) Check the voltage.
- (1) Turn the ignition switch to ON.
 - (2) Turn the intelligent tester ON.
 - (3) Start the engine and warm it up.
 - (4) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / DATA LIST / ALL / ACCEL POS #1, ACCEL POS #2.
 - (5) Operate the accelerator pedal, then check that the ACCEL POS #1 and ACCEL POS #2 values are within the specifications.

Standard:

ACCELE POS #1

Accelerator Pedal Condition	Specified Condition
Released	0.5 to 1.1 V
Depressed	2.5 to 4.5 V

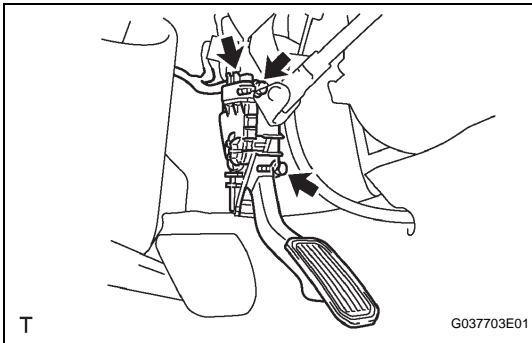
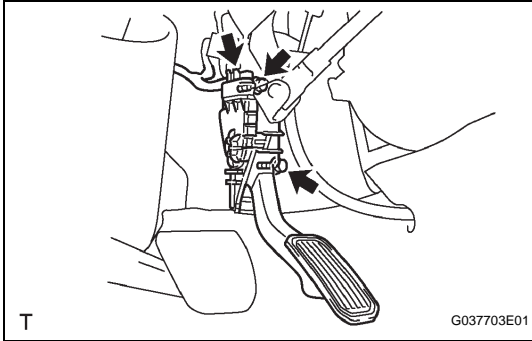
ACCELE POS #2

Accelerator Pedal Condition	Specified Condition
Released	1.2 to 2.0 V
Depressed	3.4 to 5.0 V

If the result is not as specified, check the accelerator pedal rod, wire harness and ECM.

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE ACCELERATOR PEDAL ROD ASSEMBLY**
 - (a) Disconnect the accelerator position sensor connector.
 - (b) Remove the 2 bolts, then remove the accelerator pedal.



INSTALLATION

1. **INSTALL ACCELERATOR PEDAL ROD ASSEMBLY**

NOTICE:

 - Avoid any physical impact to the accelerator pedal assembly.
 - Do not disassemble the accelerator pedal assembly.
 - (a) Install the accelerator pedal with the 2 bolts.
Torque: 5 N*m (51 kgf*cm, 44 in.*lbf)
 - (b) Connect the accelerator position sensor connector.
2. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)