

DTC	19 (3)	Accelerator Pedal Closed Position Switch Circuit Malfunction (Short)
------------	---------------	---

DTC	19 (4)	Accelerator Pedal Closed Position Switch Circuit Malfunction (Open)
------------	---------------	--

CIRCUIT DESCRIPTION

Refer to DTC 19 (1) (Accelerator Pedal Position Sensor Circuit Malfunction (Open/Short)) on [page DI-27](#).

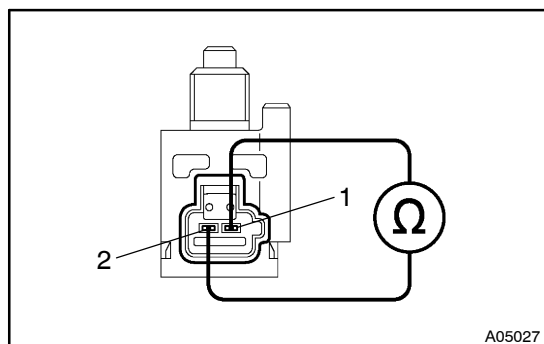
DTC No.	DTC Detecting Condition	Trouble Area
19(3)	Conditions (a), (b) and (c) continue 0.5 sec. or more: (a) PDL ON (b) VA > Fully closed study voltage +0.41 V (c) VAS > Fully closed study voltage +0.41 V	• Short in accelerator pedal closed position switch circuit • Accelerator pedal closed position switch • Engine ECU
19(4)	PDL does not turn ON even once while driving vehicle (2 trip detection logic)	• Open in accelerator pedal closed position switch circuit • Accelerator pedal closed position switch • Engine ECU
	Conditions (a) and (b) continue 5 sec. or more: (a) PDL OFF (b) IDL ON	

WIRING DIAGRAM

Refer to DTC 19 (1) (Accelerator Pedal Position Sensor Circuit Malfunction (Open/Short)) on [page DI-27](#).

INSPECTION PROCEDURE

1 Check accelerator pedal closed position switch.

**PREPARATION:**

Disconnect the accelerator pedal closed position switch connector.

CHECK:

Measure resistance between terminals of accelerator pedal closed position switch.

OK:

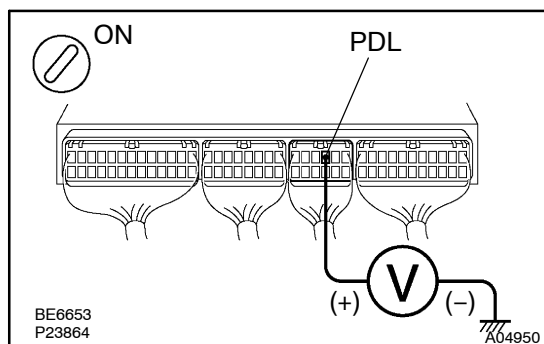
Terminals	Accelerator pedal	Resistance
1 – 2	Fully closed	∞
1 – 2	Fully open	0 – 20 Ω

NG

Replace accelerator pedal closed position switch (See page ED-9).

OK

2 Check voltage between terminal PDL of engine ECU and body ground.

**PREPARATION:**

- (a) Remove the glove compartment door.
- (b) Turn the ignition switch ON.

CHECK:

Measure voltage between terminal PDL of engine ECU and body ground.

OK:

Accelerator pedal	Voltage
Fully closed	9 – 14 V
Fully open	0 – 3 V

OK

Check and replace engine ECU (See page IN-19).

NG

Check for open and short in harness and connector between engine ECU and accelerator pedal closed position switch and body ground (See page IN-19).