DI31U–02

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.

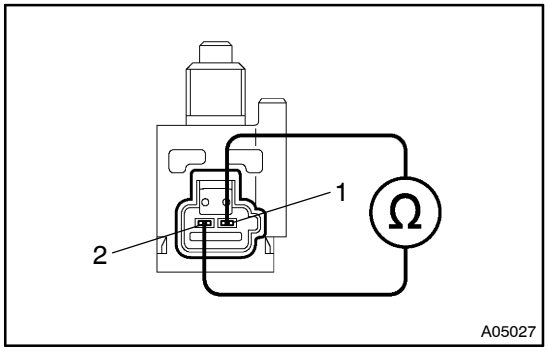
DTC No.	DTC Detecting Condition	Trouble Area
19(3)	Conditions (a), (b) and (c) continue 0.5 sec. or more: (a) PDL ON (b) VA > Fully closed study voltage +0.41 V (c) VAS > Fully closed study voltage +0.41 V	• Short in accelerator pedal closed position switch circuit • Accelerator pedal closed position 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.

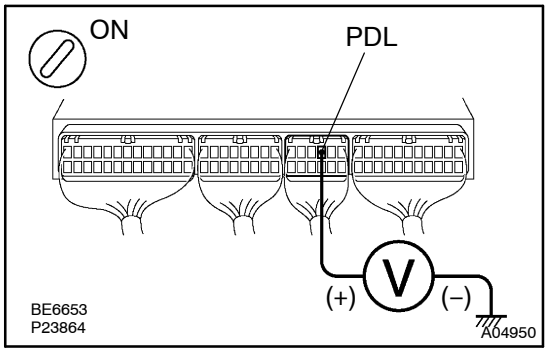
OK:

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).