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| DTC | 19 (3) | Accelerator Pedal Closed Position Switch Circuit Malfunction (Short) |
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| DTC | 19 (4) | Accelerator Pedal Closed Position Switch Circuit Malfunction (Open) |
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CIRCUIT DESCRIPTION

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

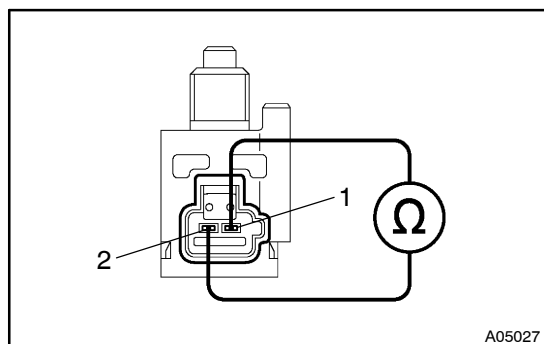
| DTC No. | DTC Detecting Condition | Trouble Area |
|---------|---|---|
| 19(3) | Conditions (a), (b) and (c) continue 0.5 sec. or more: (a) PDL ON (b) VA > Fully closed study voltage +0.41 V (c) VAS > Fully closed study voltage +0.41 V | <ul style="list-style-type: none"> • Short in accelerator pedal 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) | <ul style="list-style-type: none"> • 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:

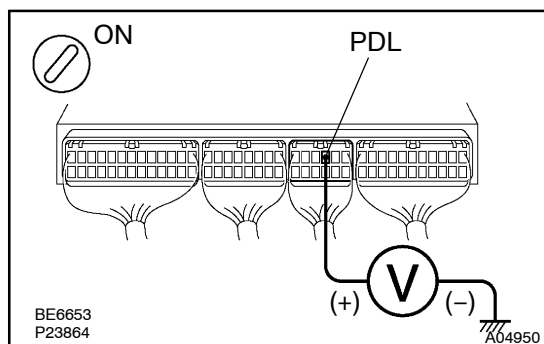
| Terminals | Accelerator pedal | Resistance |
|-----------|-------------------|-----------------|
| 1 – 2 | Fully closed | ∞ |
| 1 – 2 | Fully open | 0 – 20 Ω |

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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).

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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).