**DTC** 

# P0141/27 OXYGEN SENSOR HEATER CIRCUIT MALFUNCTION BANK 1 SENSOR 2)

## **CIRCUIT** DESCRIPTION

Refer[]o[DTC[P0136/27[on[page[05-178.

DTC[[No	DTC[Detecting[Condition	Trouble[ <b>A</b> rea
P0141/2	When heater operates, heater ourrent exceeds 2 A 2 irip detection ogic) Heater ourrent of 0.2 A or less when heater operates 2 irip detection ogic)	Open@r\\$hort[n]heater@ircuit@f[heated@xygen\\$ensor Oxygen\\$ensor ECM

#### HINT:

- Bank [] [] efers [] o [] he [bank [] hat [] ncludes [cylinder [] No. [] .

## WIRING DIAGRAM

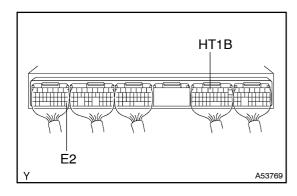
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# **INSPECTION PROCEDURE**

#### HINT:

Read[freeze[frame[data[using[the[hand-held[tester,\_as[freeze[frame[data[records[the[engine[conditions when[the[malfunction[is[detected.[When[froubleshooting,[it][s]]]]]]]]]]]whether[the[was[was[was[was[was[was[the[the[the]]]]]]]]]]) whether[the[was[was[was[was[the]]]]]]]) whether[the[was[was[was[the]]]]]]) whether[the[the]]]]) and the conditions when the condition of the condit

## 1 | INSPECTECM



- (a) Turn the ignition switch ON.
- (b) Measure the voltage between terminals HT1B and E2 of the ECM connector.

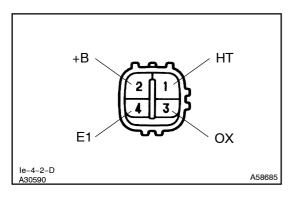
Voltage: 9 - 14 V

OK `

**CHECK AND REPLACE ECM** 

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#### 2 INSPECT OXYGEN SENSOR(OXYGEN SENSOR HEATER)



- (a) Disconnect the oxygen sensor connector.
- (b) Measure resistance between the terminal HT and +B of the oxygen sensor.

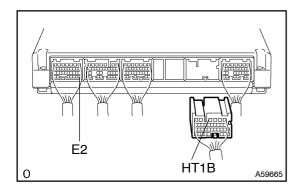
Resistance: 11 – 16  $\Omega$ 

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**REPLACE OXYGEN SENSOR** 



#### 3 CHECK WIRE HARNESS OR CONNECTOR(ECM-OXYGEN SENSOR)

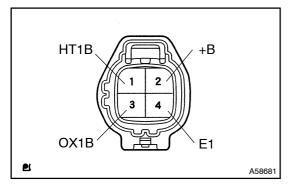


- (a) Disconnect the oxygen sensor connector.
- (b) Disconnect the ECM E7 connector.
- (c) Check continuity between the terminals HT1B of the ECM connector and HT1B of the oxygen sensor connector.

Resistance: 1  $\Omega$  or less

(d) Check for short between the terminals HT1B and E2 of the ECM connector.

Resistance: 1 M $\Omega$  or more

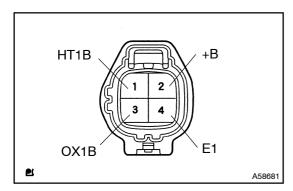


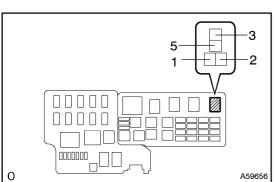
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REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR

OK

### 4 CHECK WIRE HARNESS OR CONNECTOR(OXYGEN SENSOR-E.F.I. ECU RELAY)





- (a) Disconnect the battery negative (-) terminal.
- (b) Disconnect the oxygen sensor connector.
- (c) Remove the E.F.I. ECU relay.

#### **NOTICE:**

Do not insert the tester leads hard in procedure (d), or the holder may be damaged.

(d) Check continuity between the terminals HT1B of the oxygen sensor connector and E.F.I. ECU relay installation relay block.

Resistance: 1  $\Omega$  or less

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REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR

OK

**CHECK FOR ECM POWER SOURCE CIRCUIT**