

<b>DTC</b>	<b>P0141</b>	<b>Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)</b>
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## CIRCUIT DESCRIPTION

Refer to DTC P0125 on page [DI-42](#) .

DTC No.	DTC Detecting Condition	Trouble Area
P0141	When heater operates, heater current exceeds 2.35 A (2 trip detection logic)	<ul style="list-style-type: none"> <li>• Open or short in heater circuit of heated oxygen sensor</li> <li>• Heated oxygen sensor heater</li> <li>• ECM</li> </ul>
	Heater current of 0.2 A or less when heater operates (2 trip detection logic)	

### HINT:

- Sensor 1 refer to the sensor closer to the engine body.
- Sensor 2 refer to the sensor farther away from the engine body.

## WIRING DIAGRAM

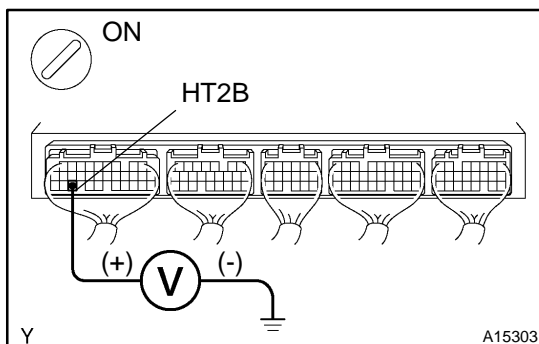
Refer to DTC P0125 on page [DI-42](#) .

## INSPECTION PROCEDURE

### HINT:

Read freeze frame data using TOYOTA hand-held tester or OBD II scan tool. Because freeze frame records the engine conditions when the malfunctions is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

<b>1</b>	<b>Check voltage between terminals HT2B of ECM connectors and body ground.</b>
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### PREPARATION:

- Remove the glove compartment (See page [SF-54](#) ).
- Turn the ignition switch ON.

### CHECK:

Measure the voltage between terminals HT2B of the ECM connectors and body ground.

### OK:

**Voltage: 9 - 14 V**

**OK**

**Check and replace ECM (See page [IN-28](#) ).**

**NG**

2

**Check resistance of heated oxygen sensor heater (See page [SF-52](#) ).**

NG

**Replace heated oxygen sensor.**

OK

**Check and repair harness or connector between EFI main relay (Marking: EFI) and heated oxygen sensor, and heated oxygen sensor and ECM (See page [IN-28](#) ).**