

DTC	P0141	Heated Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 2)
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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)	• Open or short in heater circuit of heated oxygen sensor • Heated oxygen sensor heater • ECM
	Heater current of 0.2 A or less when heater operates (2 trip detection logic)	

WIRING DIAGRAM

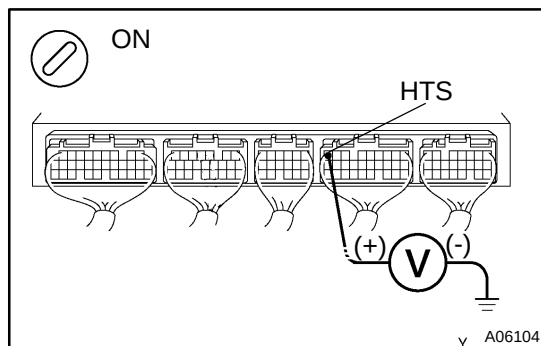
Refer to DTC P0125 on page [DI-42](#) .

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 malfunction is detected, when troubleshooting it is useful for determining whether the vehicle was running or stopped, the engine warmed up or not, the air-fuel ratio lean or rich, etc. at the time of the malfunction.

1	Check voltage between terminals HTS of ECM connectors and body ground.
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PREPARATION:

- (a) Remove the glove compartment (See page [SF-83](#)).
- (b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 9 - 14 V

OK

Check and replace ECM (See page [IN-31](#)).

NG

2	Check resistance of heated oxygen sensor heater (See page SF-82).
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NG	Replace heated oxygen sensor.
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OK

Check and repair harness or connector between EFI main relay (Marking: EFI), heated oxygen sensor and ECM (See page IN-31).
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