DTC	P0135	Heated Oxygen Sensor Heater Circuit Malfunction (Bank1 Sensor1)	
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DTC	P0141	Heated Oxygen Sensor Heated Circuit Malfunction (Bank1 Sensor2)
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CIRCUIT DESCRIPTION

Refer to DTC P0125 (Insufficient Coolant Temp. for Closed Loop Fuel Control) on page DI-43.

DTC No.	DTC Detecting Condition	Trouble Area
P0135 P0141	When the heater operates, heater current exceeds 2 A (2 trip detection logic) Heater current of 0.2 A or less when the heater operates	 Open or short in heater circuit of heated oxygen sensor Heated oxygen sensor heater ECM
	(2 trip detection logic)	

HINT:

- Bank 1 refers to the bank that includes cylinder No.1.
- Sensor 1 refers to the sensor closer to the engine body.
- Sensor 2 refers to the sensor farther away from the engine body.

WIRING DIAGRAM

Refer to DTC P0125 on page DI-43 for the WIRING DIAGRAM.

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.

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