

DTC	P1135	A/F Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)
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CIRCUIT DESCRIPTION

Refer to DTC P0125 on page [DI-184](#) .

DTC No.	DTC Detection Condition	Trouble Area
P1135	When heater operates, heater current exceeds 8 A (2 trip detection logic)	<ul style="list-style-type: none"> • Open or short in heater circuit of A/F sensor • A/F sensor heater • ECM
	Heater current of 0.25 A or less when heater operates (2 trip detection logic)	

WIRING DIAGRAM

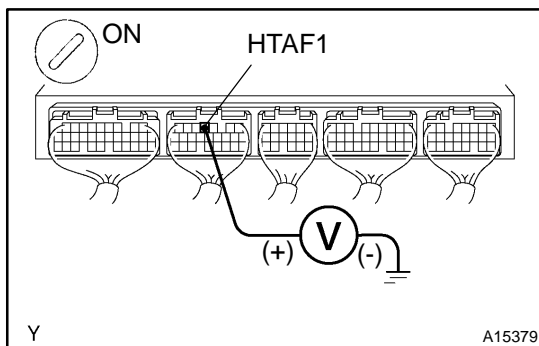
Refer to DTC P0125 on page [DI-184](#) .

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the TOYOTA hand-held tester or OBD II scan tool, as freeze frame data records the engine conditions when a malfunction 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.

1	Check voltage between terminal HTAF1 of ECM connector and body ground.
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PREPARATION:

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

CHECK:

Measure the voltage between terminals HTAF1 of the ECM connector and the body ground.

OK:

Voltage: 9 - 14 V

OK

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

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2	Check resistance of A/F sensor heater (See page SF-51).
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Replace A/F sensor.

OK

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