

DTC	P0136	Heated Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)
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CIRCUIT DESCRIPTION

Refer to Insufficient Coolant Temp. for Closed Loop Fuel Control on page [DI-45](#).

DTC No.	DTC Detecting Condition	Trouble Area
P0136	Voltage output of the heated oxygen sensor (bank 1 sensor 2) remains at 0.4 V or more or 0.5 V or less when the vehicle is driven at 40km/h (25 mph) or more after the engine is warmed up (2 trip detection logic)	<ul style="list-style-type: none"> Heated oxygen sensor

HINT:

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

WIRING DIAGRAM

Refer to page [DI-45](#) for the WIRING DIAGRAM.

INSPECTION PROCEDURE

1	Are there any other codes (besides DTC P0136) being output?
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YES

Go to relevant DTC chart.

NO

2	Check for open and short in harness and connector between ECM and heated oxygen sensor (See page IN-29).
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Repair or replace harness or connector.

OK

3**Check the output voltage of heated oxygen sensor (bank 1 sensor 2).****PREPARATION:**

- (a) Connect the OBD II scan tool or LEXUS hand-held tester to the DLC 3.
- (b) Warm up engine to normal operating temperature.

CHECK:

Read the output voltage of heated oxygen sensor (bank 1 sensor 2) when engine is suddenly raced.

HINT:

Perform quick racing to 4,000 rpm for 3 min. using accelerator pedal.

OK:

Heated oxygen sensor output voltage: Alternates from 0.4 V less to 0.5 V or more.

OK

Check that each connector is properly connected.

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**Replace heated oxygen sensor
(bank 1 sensor 2).**