

DTC	P0136	O2 Sensor Circuit Malfunction (Bank 1 Sensor 2)
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CIRCUIT DESCRIPTION

Refer to DTC P0125 on page [DI-195](#).

DTC No.	DTC Detection Condition	Trouble Area
P0136	Voltage output of heated oxygen sensor remains at 0.4 V or more to 0.6 V or less when vehicle is driven at 50 km/h (31 mph) or more after engine is warmed up (2 trip detection logic)	<ul style="list-style-type: none"> • Open or short in heated oxygen sensor circuit • Heated oxygen sensor

HINT:

Sensor 2 refers to the sensor farther away from the engine body.

WIRING DIAGRAM

Refer to DTC P0125 on page [DI-195](#).

INSPECTION PROCEDURE

HINT:

Read freeze frame data using 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	Are there any other codes (besides DTC P0136) being output?
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YES

Go to relevant DTC chart (See page [DI-167](#)).

NO

2	Check for open and short in harness and connector between ECM and heated oxygen sensor (See page IN-28).
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NG

Repair or replace harness or connector.

OK

3	Check output voltage of heated oxygen sensor.
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PREPARATION:

- Connect the hand-held tester or OBD II scan tool to the DLC3.
- Warm up the engine to normal operating temperature.

CHECK:

Read the voltage output of the heated oxygen sensor when the engine is suddenly raced.

HINT:

Perform quick racing to 4,000 rpm 3 times using the accelerator pedal.

OK:

Heated oxygen sensor output voltage: Alternates from 0.4 V or less to 0.6 V or more.

OK

Check that each connector is properly connected.

NG**4**

Check gas on exhaust system.

NG

Repair or replace.

OK

Replace heated oxygen sensor.