

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

CIRCUIT DESCRIPTION

Refer to "Insufficient Coolant Temp. for Closed Loop Fuel Control" on page [DI-41](#).

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 50 km/h (31 mph) or more after the engine is warmed up. (2 trip detection logic).	• Heated oxygen sensor

HINT:

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

WIRING DIAGRAM

Refer to page [DI-41](#) for the WIRING DIAGRAM.

INSPECTION PROCEDURE

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

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-27).
----------	---

NG

Repair or replace harness or connector.

OK

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

- (a) Remove the fuse cover on the instrument panel.
- (b) Connect the OBD II scan tool or TOYOTA hand-held tester to the DLC3.
- (c) After warm up the engine, race the engine at 2,500 rpm for 3 minutes.

CHECK:

Read the output voltage of heated oxygen sensor (bank 1 sensor 2) when racing the engine after 3 minutes have elapsed.

OK:

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

OK**Check that each connector is properly connected.****NG****Replace heated oxygen sensor.**