

DTC	P0106/31	Vacuum Sensor Circuit Range/Performance Problem (European spec.)
------------	-----------------	---

CIRCUIT DESCRIPTION

Refer to DTC P0105/31 on page DI-27.

DTC No.	DTC Detecting Condition	Trouble Area
P0106/31	Conditions (a), (b), (c) and (d) continue with more than 10 seconds: (2-trip detection logic) (a) PIM ≥ 3.3V (b) Throttle position is closed (c) Engine speed is between 400 rpm and 1,000 rpm (d) THW ≥ 70°C (158°F)	• Vacuum sensor • Vacuum line
	Conditions (a), (b) and (c) continue with more than 10 seconds: (2-trip detection logic) (a) PIM ≤ 1.5V (b) Engine speed is ≥ 2,500 rpm (c) VTA ≥ 1V	

INSPECTION PROCEDURE

HINT:

- If DTCs P0105/31, P0106/31, P0110/24, P0115/22, P0116/22, P0120/41, P0121/41, P1120/19 and P1121/19 are output simultaneously, E2 (sensor ground) may be open.
- Read freeze frame data using hand-held tester. 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 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 P0106/31) being output?
---	---

YES → Go to relevant DTC chart.

NO

2	Check vacuum sensor (See page FI-61).
---	--

NG → Replace vacuum sensor.

OK

Check vacuum line for vacuum sensor for blockage.