

Barometric Pressure Sensor

Ce00R-01

BARO Sensor Monitor Description

MONITOR SUMMARY

The barometric pressure (BARO) sensor is built into the engine control module (ECM). If the ECM detects a malfunction in the BARO sensor the ECM will:

- Illuminate the malfunction indicator lamp (MIL)
- Set DTC P1100
- Begin “Fail-safe” operation where the barometric pressure is assumed to be 760 mmHg.

The sensor contains a silicon piezoelectric crystal that produces a small signal voltage when physical pressure is applied to its surface. In operation, ambient barometric air pressure presses on the crystal surface and the resulting output signal voltage represents barometric air pressure (absolute). Changing barometric pressures affects the density of the air entering the engine.

When there is a change in air-density, the ECM must adjust the fuel injection ON time to maintain the proper air/fuel ratio. The BARO sensor provides this information to the ECM.

RELATED DTC

Related DTCs	P1100	BARO sensor malfunction
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MODEL YEAR CHART

Model Year	See Page
1996 to 1998	Ce-55