

MAF Sensor

Ce009-01

MAF Sensor Monitor Description

MONITOR SUMMARY

The mass airflow (MAF) sensor monitors the amount of air flowing through the throttle valve. The engine control module (ECM) uses this information to determine the fuel injection time and provide a proper air/fuel ratio. Inside the MAF sensor, there is a heated platinum wire exposed to the flow of intake air. By applying a specific current to the wire, the ECM heats this wire to a given temperature. The flow of incoming air cools the wire and an internal thermistor, changing their resistance. To maintain a constant current value, the ECM varies the voltage applied to these components in the MAF sensor. The voltage level is proportional to the airflow through the sensor and the ECM interprets this voltage as the intake air amount. If there is a defect in the sensor or an open or short circuit, the voltage level will deviate outside the normal operating range. The ECM interprets this deviation as a defect in the MAF sensor and sets a DTC.

RELATED DTC

Previous code:

Related DTCs	P0100	MAF sensor circuit is open/shorted
--------------	-------	------------------------------------

Extended code:

Related DTCs	P0100	MAF sensor circuit is open/shorted
	P0102	MAF sensor is low output
	P0103	MAF sensor is high output

MODEL YEAR CHART

Model Year	See Page
1996 to 2004	Ce-5