

Electrical Throttle Control System (ETCS) Monitor Description

MONITOR SUMMARY

The throttle motor is operated by the engine control module (ECM) and it opens and closes the throttle valve. The opening angle of the throttle valve is detected by the throttle position sensor. It provides feedback to the ECM to control the throttle motor and the throttle valve opening angle properly in response to driver inputs.

The ECM determines the “actual” throttle angle based on the throttle position sensor signal. The “actual” throttle position is compared to the “target” throttle position commanded by the ECM. If the difference of these two values exceeds a specified limit, the ECM interprets this as a malfunction in the ETCS. The ECM turns on the malfunction indicator lamp (MIL) and a DTC is set.

If the ECM determines that the ETCS is malfunctioning, it shuts off the power to the throttle motor, the throttle valve is closed by the return spring, and the throttle valve is locked at a certain operating angle. At the same time, operation of the ECTS is cancelled until the system returns to normal or the ignition switch is turned OFF.

RELATED DTC

Previous code:

Related DTCs	P1129	ECTS malfunction
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Extended code:

Related DTCs	P2119	ECTS malfunction
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MODEL YEAR CHART

Model Year	See Page
1998 to 2004	Ce-78