

EGR Flow Excessive Monitor Description

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MONITOR SUMMARY

If the ECM does not sense the closing of the EGR valve during the diagnostic test, it will conclude that there is a fault in the EGR valve. The ECM will illuminate the MIL and set a DTC.

The EGR system is used to lower combustion temperatures and thus reduce the quantity of NOx generated in the combustion process. Without EGR, under high load conditions, the combustion temperature would be high and large quantities of NOx would be generated. With the EGR system, exhaust gas is “recirculated” by diverting a percentage of the exhaust back into the intake manifold. The recirculated exhaust lowers the combustion temperature and NOx production is reduced. In some driving conditions, EGR gases can affect driveability. In these driving conditions, the ECM commands the VSV for EGR-cut to block the engine vacuum source that opens the EGR valve. Blocking the vacuum signal allows the EGR valve to close and stop recirculation of the exhaust gas to the intake manifold.

The ECM checks the position of EGR valve using the EGR lift sensor. The ECM senses the valve position after commanding the valve closed. If the ECM finds that the EGR valve is open to any degree after it has been commanded to close, the ECM will conclude that the EGR valve did not close. The ECM will illuminate the MIL and set a DTC.

RELATED DTC

Related DTCs	P0402	EGR valve does not close
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MODEL YEAR CHART

Model Year	See Page
1997 to 2003	Eg-12