

VVT System Monitor Description

MONITOR SUMMARY

The engine control module (ECM) optimizes the valve timing using the variable valve timing (VVT) system to control the intake valve camshaft. The VVT system includes the OCV for VVT and the VVT controller. The ECM sends a duty signal to the OCV. This signal, applied to the OCV, regulates the oil pressure supplied to the VVT controller. The VVT controller can advance or retard the intake valve camshaft. The ECM calibrates the valve timing of the VVT system by setting the camshaft to the maximum retard angle at idle. The ECM closes the OCV to retard the cam.

The ECM monitors actual valve timing at idle. If this valve timing is outside the normal range, the ECM interprets this as a malfunction and sets a DTC.

RELATED DTC

Previous code:

Related DTCs	P1346	VVT system malfunction
	P1351 (Bank 2)	

Extended code:

Related DTCs	P0016	VVT system malfunction
	P0018 (Bank 2)	

MODEL YEAR CHART

Model Year	See Page
2002	Co-9
2003	Co-10
2004	Co-12