

284: ECM-640A Camshaft control, intake. Signal too low

V70 (00-08), 2007, B5244S2, M56, L.H.D, YV1SW654272634277, 634277

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Diagnostic trouble code (DTC) information ECM-640A

Condition

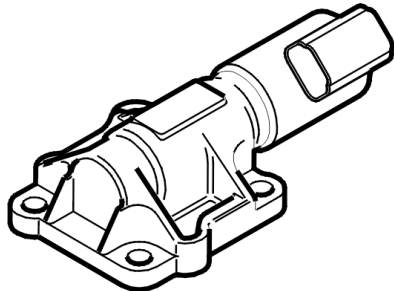
The engine control module (ECM) checks that control of the intake camshaft is rapid enough by measuring the time taken to deploy the camshaft to the requested angle. The diagnostic trouble code (DTC) is stored if the engine control module (ECM) detects that deployment of the camshaft is too slow (signal too high) or too slow when the camshaft returns (signal too low). The diagnostic trouble code (DTC) can be diagnosed by the engine control module (ECM) when the engine coolant temperature (ECT) is above a certain value, the engine is running at least at idle speed and when camshaft control is active.

Substitute value

None.

Possible source

- Signal too high
- Poor oil quality
- Damaged camshaft reset valve
- Mechanical fault in the variable valve timing (VVT) unit.



Signal too low

- Short-circuit to supply voltage in the signal cable
- Poor engine oil quality
- Damaged camshaft reset valve
- Mechanical fault in the variable valve timing (VVT) unit.

Fault symptom[s]

- Malfunction indicator lamp (MIL) lit
- High emissions
- The engine cuts out when driving.

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