

DTC	P1346	VVT SENSOR/CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PLOBLEM (BANK 1)
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CIRCUIT DESCRIPTION

Refer to DTC P0335 on page [05-76](#).

DTC No.	Detection Item	Trouble Area
P1346	Deviation in crankshaft position sensor signal and VVT sensor signal (2 trip detection logic)	<ul style="list-style-type: none"> • Mechanical system malfunction (Skipping teeth of timing chain, chain stretched) • ECM

WIRING DIAGRAM

Refer to DTC P0335 on page [05-76](#).

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand-held tester or OBD II scan tool, as freeze frame data records the engine conditions when the malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

1	CHECK VALVE TIMING (See page 14-100)
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ADJUST VALVE TIMING

OK

CHECK AND REPLACE ECM