

DTC	P1346	VVT SENSOR/CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PLOBLEM(BANK1)
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DTC	P1351	VVT SENSOR/CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PLOBLEM(BANK2)
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CIRCUIT DESCRIPTION

Refer to DTC P0340 on page [05-83](#) .

DTC No.	DTC Detection Condition	Trouble Area
P1346	Deviation in crankshaft position sensor signal and VVT sensor (bank 1) signal (2 trip detection logic)	• Mechanical system malfunction (Jumping teeth of timing belt, belt stretched) • ECM
P1351	Deviation in crankshaft position sensor signal and VVT sensor (bank 2) signal (2 trip detection logic)	

WIRING DIAGRAM

Refer to DTC P0340 on page [05-83](#) .

INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand-held tester or OBD II scan tool. Because freeze frame 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(CHECK FOR LOOSE AND JUMPING TEETH OF TIMING BELT) (See page 14-75)
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ADJUST VALVE TIMING

OK

CHECK AND REPLACE ECM