

DTC	P1346	VVT Sensor/Camshaft Position Sensor Circuit Range/Performance Problem (Bank 1)
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CIRCUIT DESCRIPTION

Refer to DTC P0335 on page [DI-71](#).

DTC No.	DTC Detection Condition	Trouble Area
P1346	Deviation in crankshaft position sensor signal and VVT sensor (bank 1) signal (2 trip detection logic)	<ul style="list-style-type: none"> • Mechanical system (Jumping teeth of timing chain, chain stretched) • ECM

WIRING DIAGRAM

Refer to DTC P0335 on page [DI-71](#).

INSPECTION PROCEDURE

HINT:

Read freeze frame data using TOYOTA 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 chain) (See page EM-13).
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Adjust valve timing (Repair or replace timing chain).

OK

Check and replace ECM (See page [IN-28](#)).