

<b>DTC</b>	<b>P1346</b>	<b>VVT Sensor (Camshaft Position Sensor) Circuit Range/Performance Problem</b>
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**CIRCUIT DESCRIPTION**

Refer to DTC P1345 (VVT Sensor (Camshaft Position Sensor ) Circuit Malfunction) on page [DI-1 19](#).

DTC No.	Detection Item	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"> <li>• Mechanical system malfunction (Skipping teeth of timing belt, belt stretched)</li> <li>• ECM</li> </ul>

**WIRING DIAGRAM**

Refer to DTC P1345 (VVT Sensor (Camshaft Position Sensor ) Circuit Malfunction) on page [DI-1 19](#) for the WIRING DIAGRAM.

**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 warmed up or not, the air-fuel ratio lean or rich, etc. at the time of the malfunction.

1	<b>Check valve timing (Check for loose and jumping teeth of timing chain) (See page <a href="#">EM-15</a> ).</b>
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