

<b>DTC</b>	<b>P1346</b>	<b>VVT Sensor Circuit Range/Performance Problem (Bank 1)</b>
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<b>DTC</b>	<b>P1351</b>	<b>VVT Sensor Circuit Range/Performance Problem (Bank 2)</b>
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## CIRCUIT DESCRIPTION

Refer to DTC P1345, P1350 (VVT Sensor Circuit Malfunction (Bank 1, 2)) on page [DI-295](#).

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>
P1351	Deviation in crankshaft position sensor signal and VVT sensor (bank 2) signal (2 trip detection logic)	

## WIRING DIAGRAM

Refer to DTC P1345, P1350 (VVT Sensor Circuit Malfunction (Bank 1, 2)) on page [DI-295](#) for the WIRING DIAGRAM.

## INSPECTION PROCEDURE

### HINT:

Read freeze frame data using LEXUS 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.

<b>1</b>	<b>Check valve timing (Check for loose and jumping teeth of timing belt) (See page EM-14).</b>
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**NG**

**Adjust valve timing (Repair or replace timing belt).**

**OK**

**Check and replace ECM (See page [IN-29](#)).**