DTC	P1346/18	VVT SENSOR/CAMSHAFT POSITION SENSOR CIRCUIT RANGE/PERFORMANCE PLOBLEM(BANK1)

CIRCUIT DESCRIPTION

Refer to DTC P0335/12 on page 05–197.

DTC No.	DTC Detecting Condition	Trouble Area
P1346/18	Deviation in crankshaft position sensor signal and VVT sensor (bank 1) signal (2 trip detection logic)	• Mechanical system (Jumping teeth of timing chain, chain stretched) • ECM

WIRING DIAGRAM

Refer to DTC P0335/12, 13 on page 05–197.

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand–held tester, 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 14–105)

(a) Check for loose and jumping teeth of timing chain.

NG → ADJUST VALVE TIMING

OK

CHECK AND REPLACE ECM