DTC	P1335/13	CRANKSHAFT POSITION SENSOR CIRCUIT MALFUNCTION(DURING ENGINE RUNNING)

CIRCUIT DESCRIPTION

Refer to DTC P0335 on page 05–362.

DTC No.	DTC Detecting Condition	Trouble Area
P1335/13	No crank position sensor signal to ECM with engine speed 1,000 rpm or more	• Open or short in crankshaft position sensor circuit • Crank position sensor • Crankshaft timing pulley • ECM

WIRING DIAGRAM

Refer to DTC P0335 on page 05–362.

INSPECTION PROCEDURE

Refer to DTC P0335 on page 05–362.

HINT:

Read freeze frame data using hand–held tester. 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	INSPECT CRANK POSITION SENSOR (See page 18–6)

Refer to DTC P0335 on page 05–362.

NG → REPLACE CRANK POSITION SENSOR

OK

2	CHECK HARNESS AND CONNECTOR(ECM – CRANK POSITION SENSOR) (See page 05–362)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

3	CHECK SENSOR INSTLLATION(CRANK POSITION SENSOR)

NG → TIGHTEN SENSOR

OK

4	CHECK CRANKSHAFT TIMING PULLEY

NG → REPLACE CRANKSHAFT TIMING PULLEY

OK

CHECK AND REPLACE ECM