DTC	P0016	CRANKSHAFT POSITION – CAMSHAFT POSITION CORRELATION (BANK 1 SENSOR A)

DTC	P0018	CRANKSHAFT POSITION – CAMSHAFT POSITION CORRELATION (BANK 2 SENSOR A)

CIRCUIT DESCRIPTION

Refer to DTC P0335 on page 05–311.

DTC No.	DTC Detection Condition	Trouble Area
P0016	Deviation in crankshaft position sensor signal and VVT sensor 1 signal (2 trip detection logic)	• Mechanical system (Jumping teeth of timing chain, chain stretched) • ECM
P0018	Deviation in crankshaft position sensor signal and VVT sensor 2 signal (2 trip detection logic)	

WIRING DIAGRAM

Refer to DTC P0335 on page 05–311.

INSPECTION PROCEDURE

HINT:

Read freeze frame data using the Intelligent Tester II. Freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air–fuel ratio was lean or rich, and other data from the time the malfunction occurred.

1	**CHECK VALVE TIMING(CHECK FOR LOOSE AND JUMPING TEETH OF TIMING CHAIN) (See page 14–127)**

NG → **ADJUST VALVE TIMING (See page 14–127) (REPAIR OR REPLACE TIMING CHAIN)**

OK

REPLACE ECM (See Pub. No. RM1017E, page 10–11)