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

## CIRCUIT DESCRIPTION

Refer to DTC P0335 on page 05–124.

| DTC No. | DTC Detection Condition | Trouble Area |
|---|---|---|
| P0016 | Deviation in crankshaft position sensor signal and VVT sensor signal (2 trip detection logic) | • Mechanical system (Timing chain has jumped a tooth, chain stretched)<br>• ECM |

## WIRING DIAGRAM

Refer to DTC P0335 on page 05–124.

## INSPECTION PROCEDURE

HINT:

Read freeze frame data using the intelligent tester II. Freeze frame data records the engine condition when 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 A JUMPED TOOTH OF TIMING CHAIN) (See page 14–6) |

**OK: The match marks of crankshaft pulley and camshaft pulley are aligning.**

NG → ADJUST VALVE TIMING (See page 14–6) (REPAIR OR REPLACE TIMING CHAIN)

OK ↓

REPLACE ECM (See page 10–24)