

**Tech Tip**

November 17, 2008

Title:

**P0335 CRANKSHAFT POSITION  
SENSOR CIRCUIT MALFUNCTION**

Models:

**All Applicable Models**

TIP2155

ENGINE - ELECTRICAL

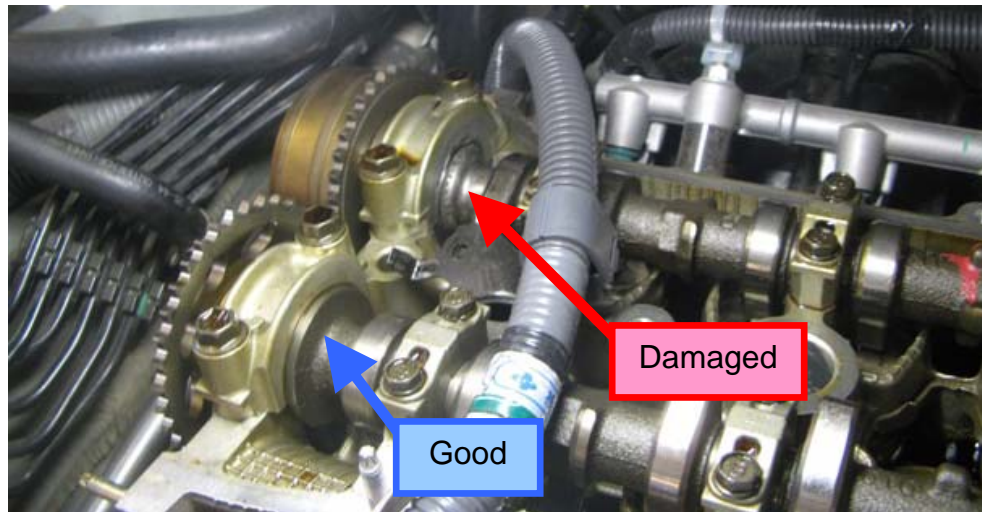
**Condition:** Some vehicles may have the MIL on and DTC P0335 stored in memory.

As always, it is recommended to follow the diagnostic procedure in the repair manual. The steps listed are:

- Check the sensor resistance
- Inspect the wire harness (continuity, short to ground)
- Verify the sensor installation
- Inspect the sensor plate (reluctor)

If all requirements are met, the next step listed in the repair manual is to replace the ECM. Please do not replace the ECM until the following inspection is performed.

**Suggestion:** Remove the valve cover(s). Inspect the camshafts for damage. Pay close attention to the areas around the thrust washer. The camshaft (G) and crankshaft (NE) signals may be out of sync if the camshaft is able to walk back and forth.

**NOTE:**

Issue of this Tech Tip is to help in the trouble shooting of a specific condition.

If a condition is described, it does not mean it applies to the vehicle you are working on.

**IT DOES NOT CONSTITUTE AN AUTHORIZATION FOR REPAIR.**