

# Camshaft Position Sensor

Ce00N-01

## Camshaft Position Sensor Monitor Description

### MONITOR SUMMARY

The camshaft position sensor consists of a magnet, an iron core and a pick-up coil. This sensor monitors a timing rotor located on the camshaft and is used by the engine control module (ECM) to detect the camshaft angle. The camshaft rotation synchronizes with the crankshaft rotation, and this sensor communicates the rotation of the camshaft timing rotor as a pulse signal to the ECM. Based on the signal, the ECM controls fuel injection time and ignition timing.

If there is no signal from the camshaft position sensor even though the engine is turning or the rotation of the camshaft and the crankshaft is not synchronized, the ECM interprets this as a malfunction in the sensor and sets a DTC.

### RELATED DTC

#### Previous code:

|              |       |                                                                                                                                                                                        |
|--------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related DTCs | P0340 | <ul style="list-style-type: none"> <li>• No camshaft position signal</li> <li>• Camshaft and crankshaft position signal misalignment</li> <li>• Camshaft signal is abnormal</li> </ul> |
|--------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Extended code:

|              |                |                                                                                                                                                 |
|--------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Related DTCs | P0340 (P1340*) | <ul style="list-style-type: none"> <li>• No camshaft position signal</li> <li>• Camshaft and crankshaft position signal misalignment</li> </ul> |
|              | P0341 (P1341*) | Camshaft signal is abnormal                                                                                                                     |

\* 2003 MY 3UZ-FE

### MODEL YEAR CHART

|              |                       |
|--------------|-----------------------|
| Model Year   | See Page              |
| 1996 to 2004 | <a href="#">Ce-44</a> |