DTC	P0340	Camshaft Position Sensor Circuit Malfunc- tion
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## **CIRCUIT DESCRIPTION**

Camshaft position sensor (G signal) consists of a magnet, iron core and pickup coil. The G signal plate has 1 tooth on its outer circumference and is mounted on intake camshaft.

When the camshafts rotate, the protrusion on the signal plate and the air gap on the pickup coil change, causing fluctuations in the magnetic field and generating an electromotive force in the pickup coil.

The NE signal plate has 34 teeth and is mounted on the crankshaft. The NE signal sensor generates 34 signals at every engine revolution. The ECM detects the standard crankshaft angle based on the G signal and the actual crankshaft angle and the engine speed by the NE signal.

DTC No.	DTC Detection Condition	Trouble Area
P0340	(2 the detection logic)	<ul> <li>Open or short in camshaft position sensor circuit</li> <li>Camshaft position sensor</li> <li>ECM</li> </ul>

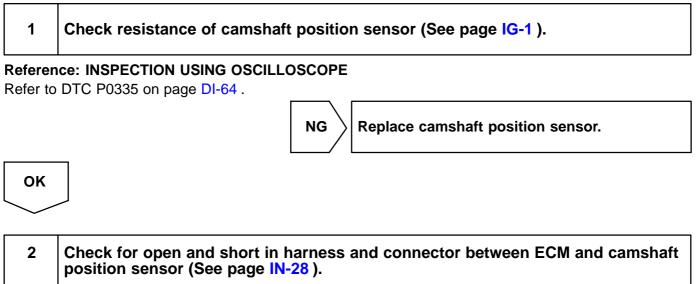
## WIRING DIAGRAM

Refer to DTC P0335 on page DI-64.

## **INSPECTION PROCEDURE**

HINT:

Read freeze frame data using TOYOTA hand-held tester or OBD II scan tool, as freeze frame data records the engine conditions when a 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.



NG

Repair or replace harness or connector.

2001 TOYOTA TACOMA (RM835U)

OK

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