

DTC	P0335	Crankshaft Position Sensor "A" Circuit Malfunction
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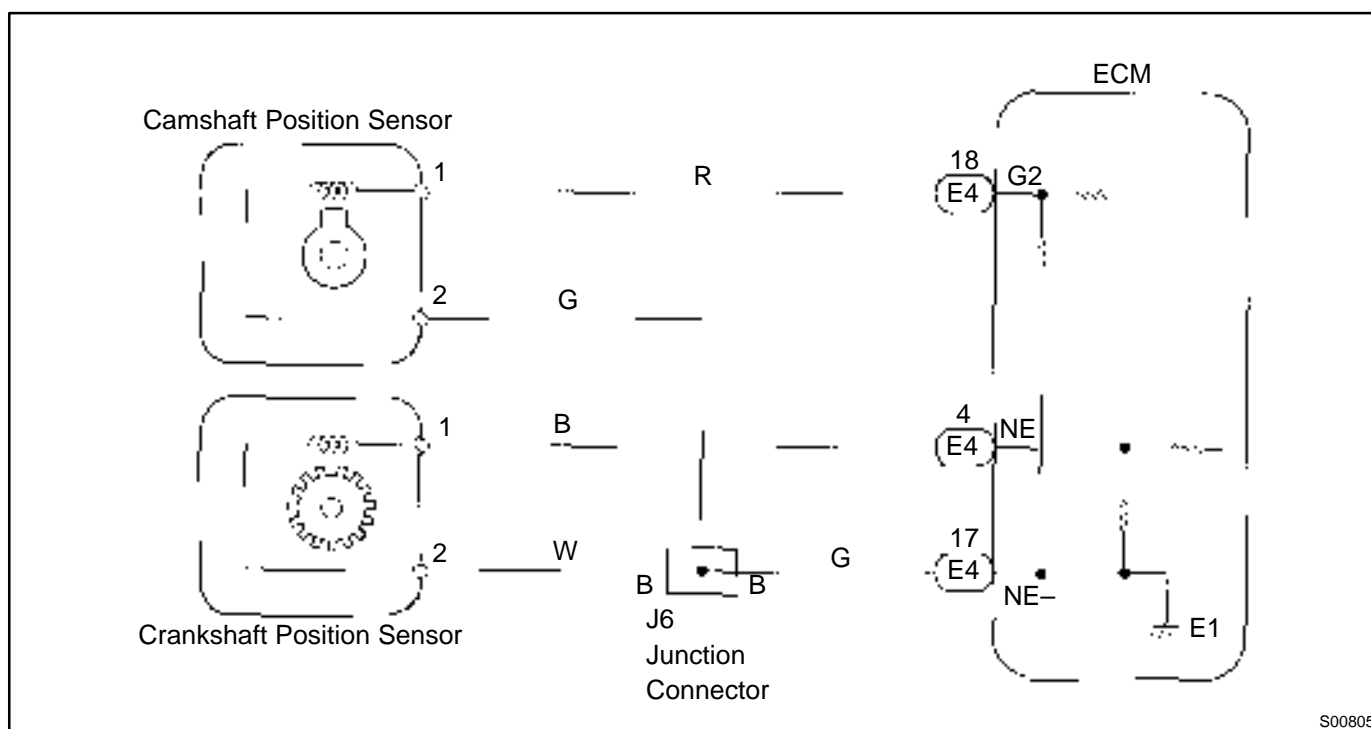
CIRCUIT DESCRIPTION

Crankshaft position sensor (NE signal) consist of a signal plate and pick up coil.

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

DTC No.	DTC Detecting Condition	Trouble Area
P0335	No crankshaft position sensor signal to ECM during cranking. (2 trip detection logic)	<ul style="list-style-type: none"> • Open or short in crankshaft position sensor circuit. • Crankshaft position sensor • Starter • ECM
	No crankshaft position sensor signal to ECM with engine speed 600 rpm or more (2 trip detection logic)	

WIRING DIAGRAM

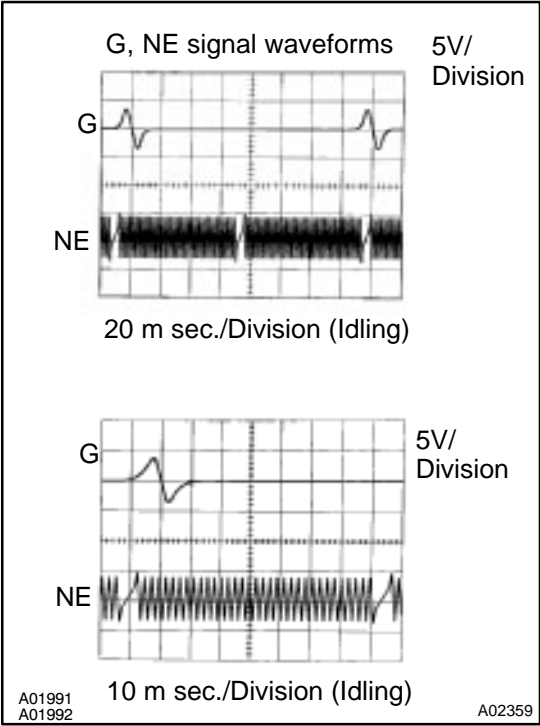


S00805

INSPECTION PROCEDURE

1	Check resistance of crankshaft position sensor (See page IG-1).
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Reference: INSPECTION USING OSCILLOSCOPE



- During cranking or idling, check between terminals G2, NE and NE- of ECM.

HINT:
The correct waveforms are as shown.

NG

Replace crankshaft position sensor.

OK

2	Check for open and short in harness and connector between ECM and crankshaft position sensor (See page IN-27).
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Repair or replace harness or connector.

OK

3	Inspect sensor installation and teeth of signal plate.
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NG**Tighten the sensor.
Replace signal plate.****OK****Check and replace ECM (See page [IN-27](#)).**