

P0345: CAMSHAFT POSITION SENSOR A CIRCUIT MALFUNCTION (BANK 2)

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$200-\$400
Can I Still Drive?	:	No

What Does The P0345 Code Mean?

This indicates that a problem was detected in the camshaft position sensor circuit of bank 2.

Since it says circuit, that means the problem could lie in any part of the circuit – the sensor itself, the wiring, or the PCM. Don't just replace the CPS (camshaft position sensor) and think that will definitely fix it.

P0345 wiring diagram

What Are The Symptoms Of The P0345 Code?

Symptoms can include:

- Hard starting or no start
- Rough running / misfiring
- Loss of engine power

What Are The Potential Causes Of The P0345 Code?

A code P0345 could mean one or more of the following has happened:

- A wire or connector in the circuit could be grounded/shorted/broken
- The camshaft position sensor may have failed
- The PCM may have failed
- There exists an open circuit
- The crankshaft position sensor may have failed

How Can You Fix The P0345 Code?

With a P0345 OBD-II trouble code, diagnosis can be tricky at times. Here are some things to try:

- Visually inspect all the wiring and connectors in the circuit
- Check for continuity in the circuit wiring
- Check the operation (voltage) of the camshaft position sensor
- Replace the camshaft position sensor as required
- Check the crankshaft position circuit as well
- Replace circuit wiring and/or connectors as required
- Diagnose/replace the PCM as required

Reference Sources

[Diagnostic Trouble Code \(DTC\) Charts and Descriptions for P0345](#) - Pages 61-62.