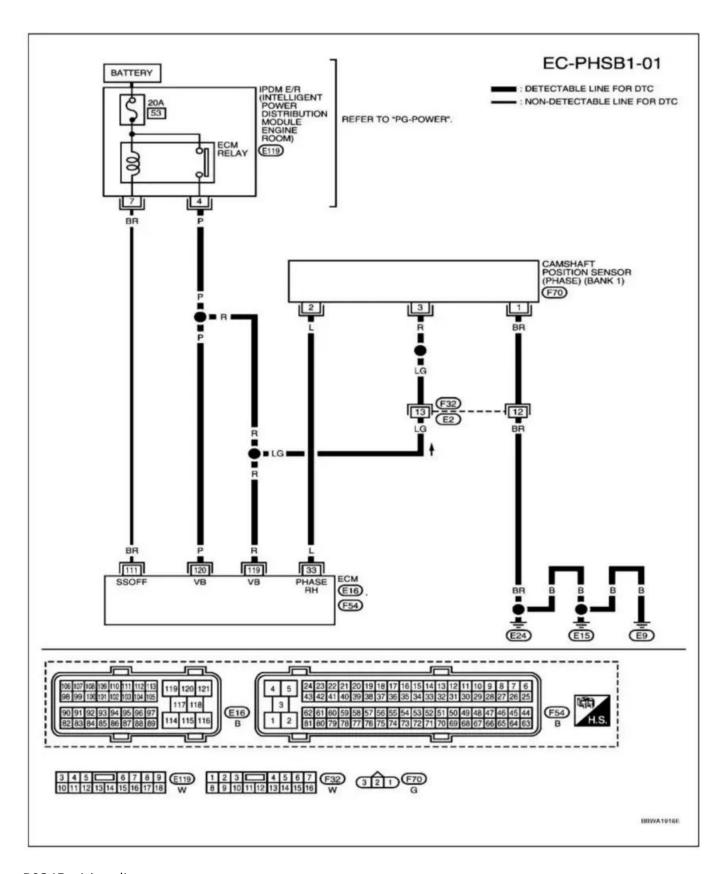
# P0345: CAMSHAFT POSITION SENSOR A CIRCUIT MALFUNCTION (BANK 2) OVERVIEW Severity : High DIY Difficulty Level : Intermediate Repair Cost : \$200-\$400 Can I Still Drive? : No

### What Does The P0345 Code Mean?

This indicates that a problem was detected in the camshaft position sensor circuitof 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.

