




P0327: KNOCK SENSOR 1 CIRCUIT LOW INPUT (BANK 1 OR SINGLE SENSOR)

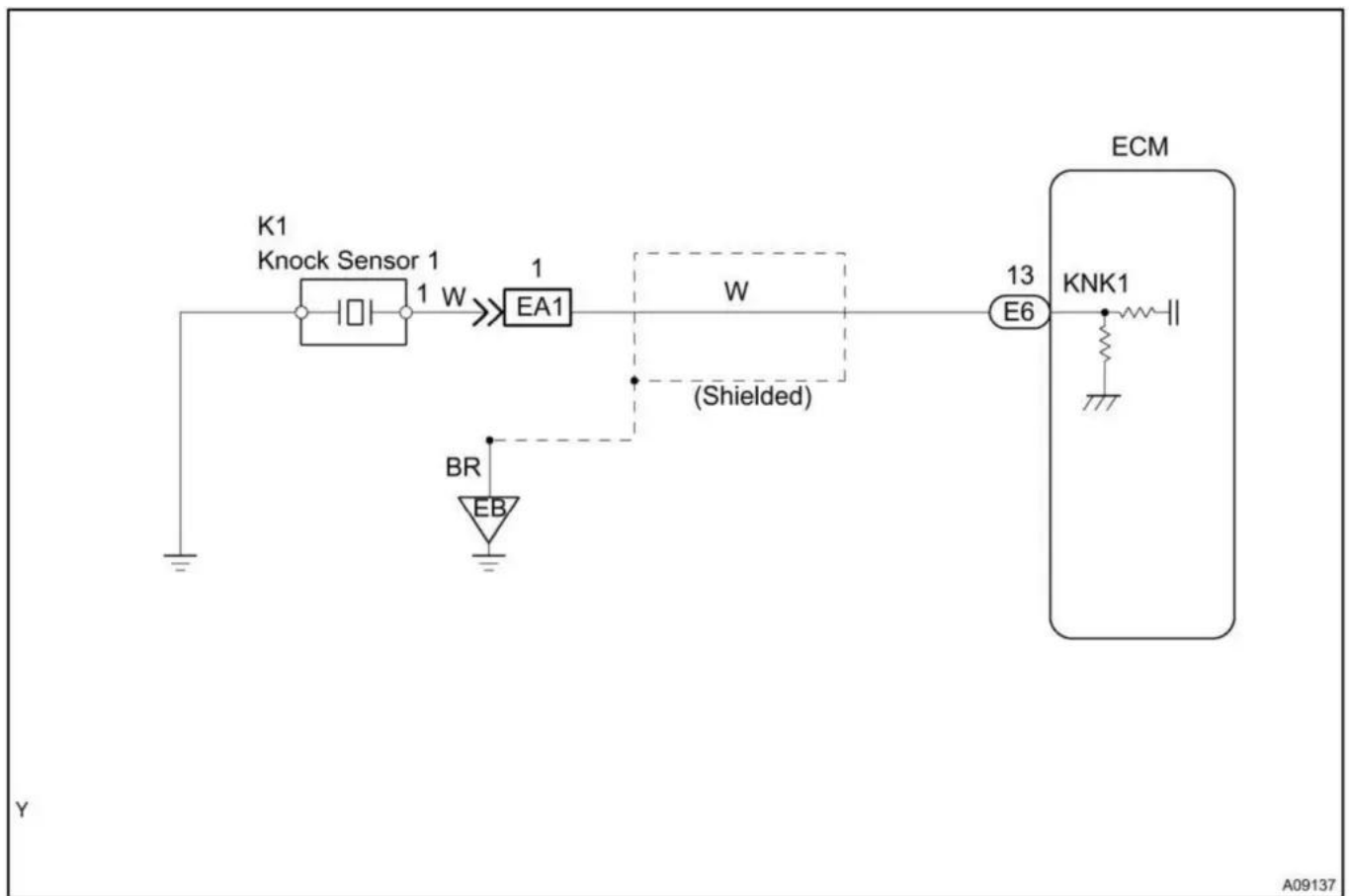
OVERVIEW

Severity	:	 High
DIY Difficulty Level	:	 Intermediate 
Repair Cost	:	\$150-\$500
Can I Still Drive?	:	No

What Does The P0327 Code Mean?

A knock sensor tells the engine computer when one or more of your engine's cylinders are "knocking", that is, exploding the air/fuel mixture in a way that delivers less power and can be damaging to the engine if prolonged.

The computer uses this information to tune the engine so that it doesn't knock. If your knock sensor on Bank #1 is generating a low output voltage (perhaps under 0.5V), then it will trigger a P0327 DTC. This P0327 code may show up intermittently or the Service Engine light may be lit constantly.



P0327 wiring diagram

Other knock sensor related DTC codes include [P0325](#), [P0326](#), [P0328](#), [P0329](#), [P0330](#), [P0331](#), [P0332](#), [P0333](#), and [P0334](#).

What Are The Symptoms Of The P0327 Code?

You may notice drivability problems including fluctuation engine RPM, a loss of power, and perhaps some hesitation. There may also be other symptoms.

What Are The Potential Causes Of The P0327 Code?

Potential causes for a P0327 DTC include (but are not limited to):

- The knock sensor is faulty and needs to be replaced
- There is a wiring open/short/fault in the knock sensor circuit
- The PCM/ECM has failed

How Can You Fix The P0327 Code?

- Verify the resistance of the knock sensor (compare it to factory specs)

- Inspect for broken/frayed wires leading to the sensor
- Check the wiring and connections leading to/from the knock sensor and PCM/ECM
- Verify proper voltage is reaching the knock sensor (e.g. 5 volts)
- Verify proper grounding of sensor and circuit
- Replace the knock sensor
- Replace the PCM/ECM

Reference Sources

[Engine Control Service Manual for P0327](#) - Pages 92-94.