

## BMW P1381: CONTROL MODULE SELF-TEST, KNOCK CONTROL OFFSET (BANK 1)

### OVERVIEW

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

### What Does The BMW P1381 Code Mean?

Engine started, vehicle driven at 1520rpm for 10 seconds or to a temperature of 40 degrees Celsius, and the DME detected the Knock chip is defective.

### What Are The Potential Causes Of The BMW P1381 Code?

- Knock sensor circuit is open
- Knock sensor is loose (tighten to 20 NM)
- Contact between the knock sensor and cylinder block is dirty, corroded or greasy
- Knock sensor circuit is shorted to ground, or shorted to power
- Knock sensor is damaged

### Reference Sources

[BMW P1381](#), DTCDECODE.