

BMW P1031: VALVETRONIC (VVT) ACTUATOR MONITORING RECOGNITION OF DIRECTION OF ROTATION PLAUSIBILITY (BANK 1)

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$300-\$450
Can I Still Drive?	:	Yes

What Does The BMW P1031 Code Mean?

The engine is on and running for 63 to 498ms at 9.6 to 15.5 volts. Check to determine whether adjustment can be approved. Check VVT system once before each power application within one driving cycle for correct servo motor polarity and sticking in the system.

What Are The Potential Causes Of The BMW P1031 Code?

- Low battery charge
- Open motor control circuit
- Motor shorted to ground
- Loose sensor or it is operating at the limit

Reference Sources

[BMW P1031](#), DTCDECODE.