

BMW P1040: VALVETRONIC (VVT) CAN TIMEOUT MESSAGE (BANK 2)

OVERVIEW

Severity	:	Medium
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$75-\$200
Can I Still Drive?	:	Yes (Short-term only)

What Does The BMW P1040 Code Mean?

This code indicates the condition that;

After the key has been on for 800ms (within two messages) or the engine running for 400ms, with a battery voltage at 10 volts, the difference between the deactivation and the starting positions exceeds specification. No suspension of BUS activity.

What Are The Potential Causes Of The BMW P1040 Code?

Below are some potential causes of this DTC:

- ECU failure (or SZL or ZGM)
- Bus system failure
- Defective bus controller (SZL or ZGM)
- Short circuit in CAN wire or open circuit.
- Defective DME
- Defective VVT-SG

Reference Sources

[BMW P1040](#), DTCDECODE.