

BMW P1046: VALVETRONIC (VVT) ACTUATOR CONTROL MODULE READ ONLY MEMORY ERROR (BANK 2)

OVERVIEW

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

What Does The BMW P1046 Code Mean?

Key on for 50ms, and the DME detected an internal memory fault. This code will set if KAPWR to the DME is interrupted (at the initial key on).

What Are The Potential Causes Of The BMW P1046 Code?

Below are some potential causes of this DTC:

- Battery terminal corrosion, or loose battery connection
- Connection to the DME interrupted, or the circuit has been opened
- Reprogramming error has occurred

Reference Sources

[BMW P1046](#), DTCDECODE.