

## GMC P1045: REDUCTANT PURGE VALVE HIGH CONTROL CIRCUIT LOW VOLTAGE

### OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$100-\$250
Can I Still Drive?	:	<b>Yes</b> (Short-term only)

### What Does The GMC P1045 Code Mean?

The battery voltage is greater than 11 V. The engine speed is greater than 600 RPM. The engine run time is greater than 10 s. The DTCs run continuously when the above conditions are met.

### What Are The Potential Causes Of The GMC P1045 Code?

- When the solenoid is commanded ON, the ECM detects the commanded state of the driver and the actual state of the control circuits do not match for greater than 2 s.

### Reference Sources

[11 OBDG11 Engine Diagnostics for P1045](#) - Page 124.