

## GMC P1656: WASTEGATE SOLENOID CONTROL CIRCUIT MALFUNCTION

### OVERVIEW

Severity	:	<div><div>High</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$100-\$300
Can I Still Drive?	:	Yes

### What Does The GMC P1656 Code Mean?

Engine started, engine running, Wastegate Solenoid commanded "on" (Test 1), and the PCM detected the voltage on the solenoid control circuit remained near 12v, or with solenoid commanded "off" (Test 2), the voltage on the solenoid control circuit remained.

### What Are The Potential Causes Of The GMC P1656 Code?

- Waste solenoid circuit is open, shorted to ground or to power (B+)
- Wastegate solenoid power circuit is open (check ENG1 fuse)
- Wastegate solenoid is damaged or has failed
- PCM has failed

### Reference Sources

[Technical Service Bulletin PIP5094 for P1656](#) - General Motors