

## GMC P1653: EGR VENT SOLENOID CONTROL CIRCUIT MALFUNCTION

### OVERVIEW

**Severity** :  Medium

**DIY Difficulty Level** :  Intermediate

**Repair Cost** : **\$100-\$250**

**Can I Still Drive?** : **Yes**

### What Does The GMC P1653 Code Mean?

Engine started; Vent solenoid requested “on” during Test 1, and the PCM detected a high voltage on the solenoid control circuit, or with the solenoid “off” it detected a low voltage (0v).

### What Are The Potential Causes Of The GMC P1653 Code?

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

### Reference Sources

[Technical Service Bulletin PIP5094 for P1653](#) - General Motors