

## CHRYSLER P1115: GENERAL TEMPERATURE RATIONALITY

### OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$290-\$310
Can I Still Drive?	:	Yes

### What Does The Chrysler P1115 Code Mean?

The Powertrain Control Module (PCM) uses General Temperature Rationality to look at the outputs of the three temperature sensors and compares them under cold start conditions.

Following a start to run delay time, the outputs of the Ambient Air Temperature (AAT) Sensor, Engine Coolant Temperature (ECT) Sensor, and the Intake Air Temperature (IAT) Sensor will be compared. If two sensors agree but not the third, the third sensor is declared as irrational. If all three sensors are irrational the General Temperature Sensor Rationality is declared.

### What Are The Potential Causes Of The Chrysler P1115 Code?

- EXCESSIVE RESISTANCE IN THE SENSOR SIGNAL CIRCUIT
- EXCESSIVE RESISTANCE IN THE SENSOR GROUND CIRCUIT
- SENSOR SIGNAL CIRCUIT SHORTED TO GROUND
- SENSOR SIGNAL CIRCUIT SHORTED TO VOLTAGE
- SENSOR SIGNAL CIRCUIT SHORTED TO THE SENSOR GROUND CIRCUIT
- TEMPERATURE SENSOR
- POWERTRAIN CONTROL MODULE (PCM)

## Reference Sources

- [RG-Powertrain](#) - DaimlerChrysler Corporation, pp. 249 - 252.
- [Service Bulletin 18-094-16](#) - 2016