

CHRYSLER P1607: PCM INTERNAL SHUTDOWN TIMER RATIONALITY

OVERVIEW

| | | |
|----------------------|---|--------------|
| Severity | : | High |
| DIY Difficulty Level | : | Advanced |
| Repair Cost | : | \$500-\$1000 |
| Can I Still Drive? | : | No |

What Does The Chrysler P1607 Code Mean?

The purpose of the shut down timer diagnostic is to determine if the Powertrain Control Module (PCM) internal clock is running as expected. This engine off timer is used as an enable condition for various OBD monitors. The rationality test consists of two tests used to evaluate shut down time.

What Are The Potential Causes Of The Chrysler P1607 Code?

- Cooling system issues
- Ambient air temperature (AAT) sensor
- Engine coolant temperature (ECT) sensor
- Powertrain control module (PCM) software
- Powertrain control module (PCM)

How Can You Fix The Chrysler P1607 Code?

- Turn the ignition off.
- Disconnect the PCM harness connector.
- Turn the ignition to run.
- Using a 12-volt test light connected to ground, probe the Fused Ignition Switch Output (Off-Run-Start) cavity C1-12 circuit at the appropriate terminal of the special tool #8815.
- If the test light illuminate brightly, replace the Powertrain Control Module in accordance with

the Service Information. Perform POWERTRAIN VERIFICATION TEST VER – 1. If Not, check all related fuses. Repair the Fused Ignition Switch Output circuit. Perform POWERTRAIN VERIFICATION TEST VER – 1.

Reference Sources

- [RG-Powertrain](#)- DaimlerChrysler Corporation, page 263.
- [Service Bulletin 18-051-16 REV.A](#) - 2016
- [Service Bulletin 18-023-16 REV.B](#) - 2016
- [Service Bulletin 18-051-16](#) - 2016
- [Service Bulletin 18-022-17 REV.A](#) - 2017