

CADILLAC P1A7E: STARTER/GENERATOR CONTROL MODULE OVERTEMPERATURE HIGH VOLTAGE SYSTEM DISABLED

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$400-\$1500
Can I Still Drive?	:	No

What Does The Cadillac P1A7E Code Mean?

The Starter/Generator Control Module (SGCM) monitors its internal fluid temperature sensors to control the SGCM coolant pump and SGCM cooling fan. The internal fluid temperature sensors of the SGCM are thermistors and are not serviceable.

When the internal fluid temperatures are cold, the resistances of the sensors are high and the voltage signals are high. When the internal fluid temperatures are hot, the resistances of the sensors are low and the voltage signals are low.

The input parameters are not displayed on the scan tool. The SGCM calculates the estimated temperature of the electronics to interpret the total temperature of the SGCM. This value is displayed on the scan tool.

What Are The Potential Causes Of The Cadillac P1A7E Code?

If there is a restriction of the air flow through the radiator this DTC may set. Ensure that the vehicle front end has at least 1.5 meters (5 feet) of clearance from obstructions to airflow if vehicle is parked.

Reference Sources

[Cadillac P1A7E](#), DTCDECODE.