GMC P111C: CHARGE AIR COOLER (CAC) TEMPERATURE - INTAKE AIR TEMPERATURE (IAT) SENSOR 2 CORRELATION

OVERVIEW

Severity : Medium

DIY Difficulty Level : Intermediate

Repair Cost : \$90-\$1000

Can I Still Drive? : Yes

What Does The GMC P111C Code Mean?

DTCs P0016, P007C, P0097, P0098, P0112, P0113, P0335, P0336, P0340, or P0341 are not set. Ignition has been OFF Ignition has been OFF for 8 hours or more. The engine is running. In the first 60 s of engine run time, the ECM determines the block heater is OFF. AND In the first 10 minutes of engine run time, the vehicle speed as been at least 24 km/h (15 mph) for at least 5 minutes and the ECM determines there is no Sunload. This DTC runs once per key cycle when the conditions in 1 or 2 are met.

Condition 1: The ECM determines the absolute temperature difference between the CAC Temperature Sensor signal and the IAT Sensor 2 signal is more than 100°C (180°F) at start up.

Condition 2: The ECM determines the absolute temperature difference between the CAC Temperature Sensor signal and the IAT Sensor 2 signal is more than 35°C (63°F), but less than or equal to 100°C (180°F) after 10 minutes of engine run time.

- The ECM determines the block heater if OFF.
- The ECM determines there is no sunload.



Reference Sources

<u>12 OBDG09 Engine Diagnostics for P111C</u> - General Motors, page 159.

