



Preliminary Information

PIT3181B The Ambient Temperature Is Inaccurate Or the DIC Displays ICE

Models

| Brand: | Model: | Model Years: | VIN: | | Engine: | Transmissions: |
|-----------|--------|--------------|------|-----|---------|----------------|
| | | | from | to | | |
| Chevrolet | SSR | 2005 - 2006 | All | All | All | All |

Supersession Statement

This PI was superseded to update Model Year. Please discard PIT3181A.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

The ambient temperature is inaccurate on the auxiliary gage package or the DIC displays "ICE". The wiring diagrams in SI do not show the ambient temperature sensor, and the master component locator does not show the location of the ambient temperature sensor.

Recommendations / Instructions

Below is some of the circuit information for the Ambient Air Temperature sensor circuit and the component location.

- * **The ambient temperature sensor is located in front of the radiator on the left side.**
- * **The ambient temperature sensor is an input to the RDM (Roof Door Module).**
- * **The Ambient air temperature sensor signal wire goes to connector C1 pin 7 of the RDM. This should be a Green/Gray wire at the RDM. The connector end view for the RDM will show this as the NTC Thermistor Signal, this is incorrect for the 2005 Model year.**
- * **The Ambient air temperature sensor signal wire will change color at the C309 connector to a Lt Green/Black.**
- * **The Ambient air temperature sensor Low reference wire goes to connector C2 pin 11 at the RDM. The Ambient air temperature sensor Low reference wire should be a Brown wire.**
- * **The Tech 2 can be used to read the ambient air temperature sensor in the RDM. If the ambient air temperature on the Tech 2 is different than what is displayed on the gauge, this may be normal due to the update rate of the gauge.**

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



GENERAL MOTORS