



# Service Bulletin

File in Section: -

Bulletin No.: PIP3783D

Date: July, 2014

## PRELIMINARY INFORMATION

**Subject:** SES Light Reduced Engine Power Mode and APP Sensor DTCs

**Models:** 2007-2014 Cadillac Escalade  
2007-2014 Chevrolet Avalanche, Suburban, Tahoe  
2007-2013 Chevrolet Silverado  
2007- 2013 GMC Sierra  
2007-2014 GMC Yukon Models  
\*For New Body Style Trucks Only - Not for Classic Models

**This PI was superseded to update Model Years. Please discard PIP3783C.**

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

### Condition/Concern

Some customers may complain of a SES light and reduced engine power message as a result of any of the following APP Sensor DTCs: P2120, P2122, P2123, P2125, P2127, P2128, and/or P2138.

In most cases, this concern is very intermittent so the technician may not be able to get the DTC(s) to reset so they can perform step by step diagnosis.

### Recommendation/Instructions

If SI diagnosis does not isolate the cause of the DTC(s), inspect the related APP sensor circuits for potential shorts to ground or high voltage drop while manipulating the harness between the APP sensor and ECM.

Also inspect the related APP sensor circuits for poor terminal tension at the APP sensor and ECM connectors using the correct terminal test probes.

If there is no problem found, inspect C109/X109 and C205/X205 for the following concerns:

- connector halves that are not seated properly
- corrosion and/or water intrusion
- APP circuit terminals that are not seated properly
- APP circuit terminals that have poor terminal tension using the correct terminal test probes
- APP circuit terminals that are not crimped properly

As outlined in the Master Electrical Component List in SI, C109/X109 is located on the left side of the engine compartment below the underhood fuse block and C205/X205 is located under the Upper Instrument Trim Panel. To access C205/X205, follow the Instrument Panel Upper Trim Panel with Windshield Defroster Nozzle Grille Replacement Procedure in SI.

If a terminal/wiring concern is found, repair it by following the related SI repair procedure. If the steps above do not isolate the cause of this concern, recrimp all of the APP circuit terminals at the APP sensor and ECM connectors using the correct terminal crimp tools as outlined in SI and the latest version of 08-06-03-009.

### Warranty Information

For wiring repairs covered under warranty, please refer to latest version of bulletin 10-00-89-005 for warranty information on wire/connector repairs.

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.