



Preliminary Information

PIP4310E Intermittent SES Light due to DTC P2138

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	HHR	2006 - 2008	All	All	2.2L L61 2.4L LE5	All

Supersession Statement

This PI was superseded to update recommendations/instructions. Please discard PIP4310D.

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

Condition / Concern

On rare occasions, an intermittent SES light may be experienced due to DTC P2138. In some instances, a P060E may also be stored as a result of either DTC.

Recommendations / Instructions

If any of the DTCs are setting consistently, perform the SI diagnostics and repair as necessary. If SI diagnostics do not isolate the concern, perform the following suggestions as necessary:

- 1. Review bulletin [07-06-04-019F](#) and inspect corrosion or water intrusion in C201. Also inspect for a poor connection or poor terminal tension on the APP circuits while this connector is disconnected.**
- 2. Inspect the engine harness for potential shorts to ground in the following locations, and repair and reposition the circuits/harness as necessary:**
 - **At the air conditioning line about 3-6 inches from the ECM connectors.**
 - **On the ECM case and/or on the edge of either ECM connector body.**
 - **At the air conditioning line above the transmission.**
 - **At the edge of the aluminum oil filter housing on the engine block.**
 - **At the UBEC bracket.**
 - **At the EVAP purge valve bracket.**
 - **At the rear of the cylinder head/upper edge of transmission bell housing.**
- 3. Inspect all of the APP circuits to determine if duraseal splice sleeves or a service pigtail was used during previous repairs. If so, the incorrect crimp tools may have been used to install the splice sleeves, and this could induce an intermittent concern. If the incorrect tools were used, or if it's unknown what tools were used to install the splice sleeves, replace the splice sleeves again by using the correct tools and following the "Splicing Copper Wire Using Splice Sleeves" Procedure in SI.**
- 4. Inspect all of the APP circuits for poor terminal tension using test probe J-35616-2A on the APP sensor terminals and test probe J35616-64B on the ECM terminals. Also, inspect all of these circuits for high resistance or possible shorts to ground while wiggling the harness around. If any concerns are found, repair as necessary by following SI procedures.**
- 5. If there is no problem found above, refer to Service Bulletin [08-06-03-009A](#).**

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.



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