



Service Bulletin

PRELIMINARY INFORMATION

Subject: SES Light With A P2097 Or P2099

Models: 2009-2014 Buick Enclave
2010-2014 Buick LaCrosse
2013-2014 Cadillac ATS
2004-2013 Cadillac CTS
2004-2014 Cadillac SRX
2005-2011 Cadillac STS
2013-2014 Cadillac XTS
2010-2014 Chevrolet Camaro
2008-2014 Chevrolet Equinox
2009-2014 Chevrolet Traverse
2009-2014 GMC Acadia
2010-2014 GMC Terrain
2008-2009 Pontiac G8
2008-2009 Pontiac Torrent
2009-2010 Saturn Outlook
With HFV6 engine

This PI was superseded to update model list. Please discard PIP4964B.

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

Condition/Concern

Some customers may complain of an SES light with no drivability concerns. The technician will find a DTC P2097 or P2099 set.

Recommendation/Instructions

The most common concerns we have seen have been related to fuel injectors.

This should be caught on initial diagnosis for these codes.

Perform injector balance or AFIT test prior to going further.

Note: Fuel injector balance test not available on 2009 Acadia, Outlook, Enclave and Traverse.

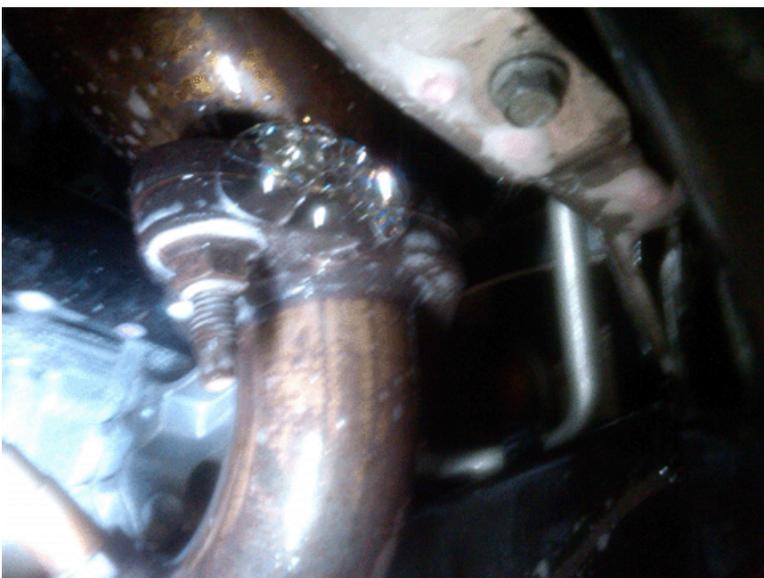
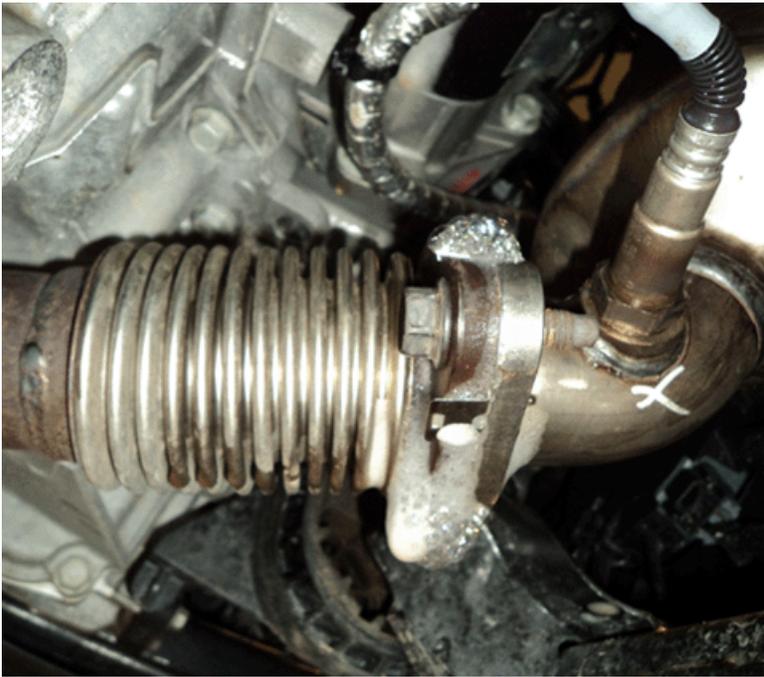
If normal SI diagnostics does not lead to a resolution for this code, then look for a small leak in the exhaust, usually at the outlet to the engine converter.

This leak will allow air to be pulled into the exhaust and cause a false lean concern at the post O2 sensor.

To diagnose this leak we recommend applying air to the rear of the downstream converter or to the tail pipe on single systems @ 5psi to 8 psi.

Apply a soapy solution to the gasket areas and the O2 boss.

Leaks in these areas that will cause the code will be larger bubbles.



Foam leaks are considered normal.



DO NOT APPLY FULL SHOP AIR as converter and engine damage can result.

If available CAC leak tester J-46091-1 and adapter can be used with a modification using wire ties to hold it to the pipe.



If a leak is found in these areas along with gasket replacement, filing the mating surface of the pipe is suggested.

If no leaks are found at this point you should look for a mechanical valvetrain concern such as a sticking valve, or a lifter follower off the camshaft out of place.

This may or may not cause a misfire.

Warranty Information

The correction for this concern may be one of several repairs described above.

For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the original cause in addition to well documented straight time.

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.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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