Bulletin No.: PIP4964E
Published date: 10/16/2023

Preliminary Information

PIP4964E SES Light With A P2097 Or P2099

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Enclave	2009 - 2024	All	All	3.6 LFY, 3.6 LLT, 3.6 LY7	All
Buick	LaCrosse	2010 - 2019	All	All	3.0 LF1, 3.0 LFW, 3.6 LFX, 3.6 LLT	All
Cadillac	ATS	2013 - 2019	All	All	3.6 LF4, 3.6 LFX, 3.6 LGX	All
Cadillac	CT4	2022 - 2023	All	All	3.6 LF4	All
Cadillac	CT5	2021 - 2024	All	All	3.0 LGY	All
Cadillac	CT6	2016 - 2020	All	All	3.0 LGW, 3.6 LGX	All
Cadillac	CTS	2004 - 2019	All	All	3.0 LF1, 3.0 LFW, 3.6 LF3, 3.6 LFX, 3.6 LGX, 3.6 LLT	All
Cadillac	SRX	2004 - 2016	All	All	2.8 LAU, 3.0 LF1, 3.6 LFX	All
Cadillac	STS	2005 - 2011	All	All	3.6 LY7, 3.6 LLT	All
Cadillac	XT5	2017 - 2024	All	All	3.6 LGX	All
Cadillac	XT6	2020 - 2024	All	All	3.6 LFY	All
Cadillac	XTS	2013 - 2019	All	All	3.6 LF3, 3.6 LFX	All
Chevrolet	Camaro	2010 - 2024	All	All	3.6 LFX, 3.6 LGX, 3.6 LLT	All
Chevrolet	Colorado	2015 - 2022	All	All	3.6 LFX, 3.6 LGZ	All
Chevrolet	Equinox	2008 - 2017	All	All	3.0 LF1, 3.0 LFW, 3.6 LFX, 3.6 LLT, 3.6 LY7	All
Chevrolet	Impala	2012 - 2020	All	All	3.6 LFX	All
Chevrolet	Traverse	2009 - 2023	All	All	3.6 LFY, 3.6 LLT	All
GMC	Acadia	2008 - 2024	All	All	3.6 LLT, 3.6 LGX, 3.6 LY7	All
GMC	Canyon	2015 - 2022	All	All	3.6 LFX, 3.6 LGZ	All
GMC	Terrain	2010 - 2017	All	All	3.0 LF1, 3.0 LFW, 3.6 LFX	All
Pontiac	G8	2008 - 2009	All	All	3.6 LY7	All
Pontiac	Torrent	2008 - 2009	All	All	3.6 LY7	All
Saturn	Outlook	2009 - 2010	All	All	3.6 LLT	All
Saturn	Vue	2008 - 2010	All	All	3.6 LY7	All

Supersession Statement

This PI was superseded to update model list. Please discard PIP4964D.

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.

Recommendations / Instructions

The most common concerns we have seen has 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.

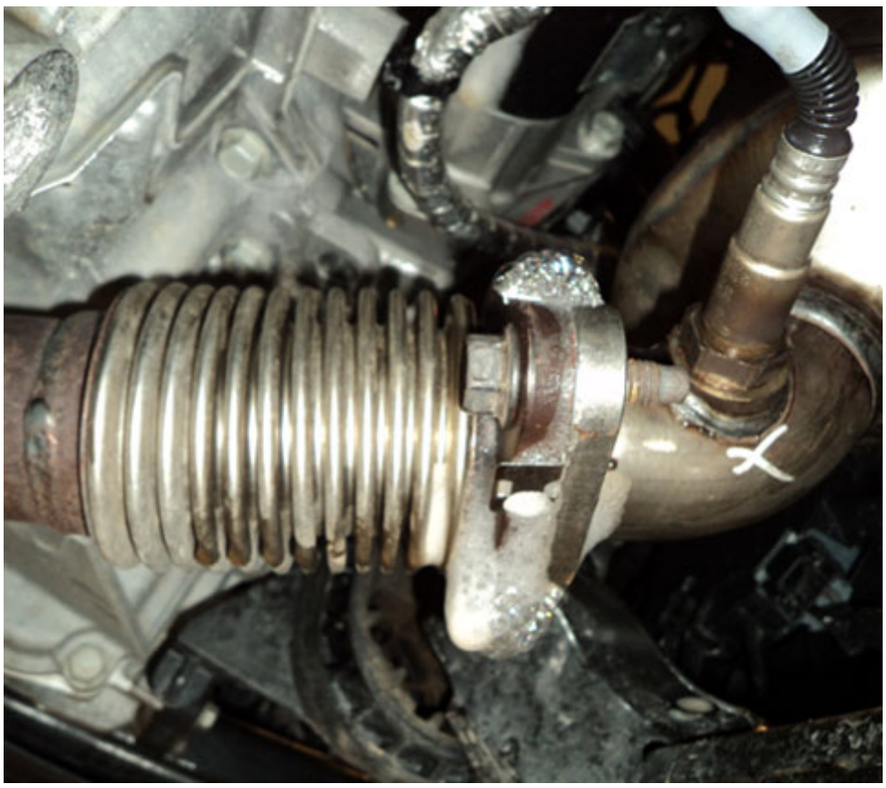
NOTE: Fuel injector balance test not available on 2009 Acadia, Outlook, Enclave and Traverse.

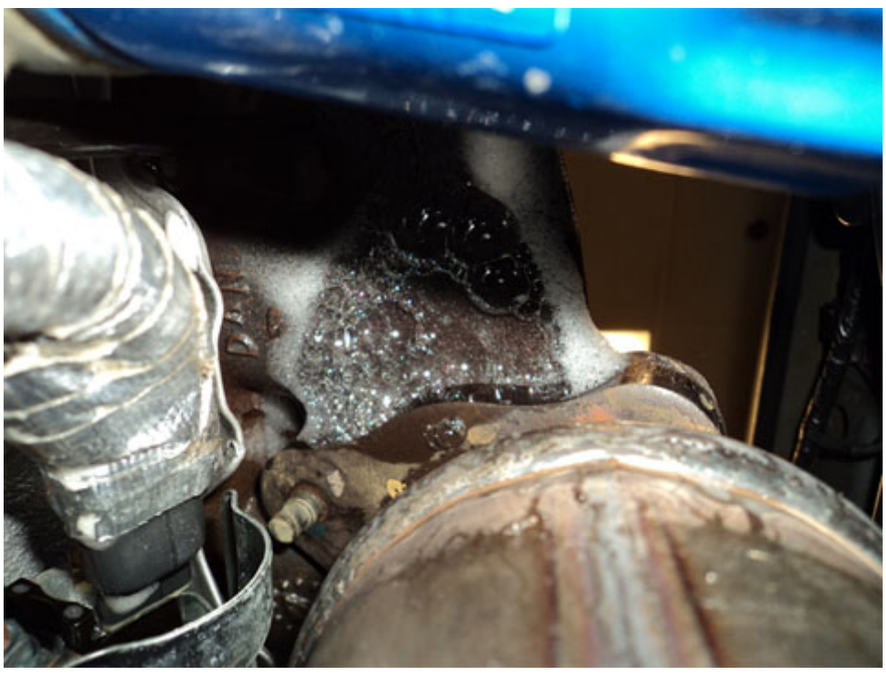
If normal SI diagnostics does not lead to a resolution for this code, then look for a small leak in the exhaust, usually at the outlet to the engine converter

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 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 t hold it to the pipe.

Or GE-52250 - Tool For Leak Testing Charge Air Cooler / Turbo System will work also.

If a leak is found in these areas alongwith gasket replacement, filing themating surface of the pipe is suggested.

If no leaks are found at this point youshould look for a mechanical valvetrain concern such as a sticking valve, or a lifter follower off the camshaft outof 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 o 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.

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