



Preliminary Information

PIP5402C Check Engine Light MIL P015B, P1101 and /or P0101 Reduce Engine Power

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Regal	2013 - 2018	All	All	2.0L LTG/LHU	All
Buick	Envision	2017 - 2018	All	All	2.0 LTG	All
Buick	Verano	2013 - 2016	All	All	2.0 LHU	All
Cadillac	ATS	2013 - 2018	All	All	2.0 LTG	All
Cadillac	CT6	2016 - 2018	All	All	2.0 LTG	All
Cadillac	CTS	2014 - 2018	All	All	2.0 LTG	All
Chevrolet	Camaro	2016 - 2018	All	All	2.0 LTG	All
Chevrolet	Equinox	2018	All	All	1.5 LYX and 2.0 LTG	All
Chevrolet	Malibu	2013 - 2017	All	All	1.5 LfV and 2.0 LTG	All
GMC	Terrain	2018	All	All	1.5 LYX and 2.0 LTG	All

Supersession Statement

This PI was superseded to update Recommendation/Instructions. Please discard PIP5402B.

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

Condition / Concern

A customer may have a concern of the check engine lamp being illuminated and/or reduced engine power. When the technician scans the vehicle, diagnostic trouble codes P015B and/or P1101 will be set current or in history.

Recommendations / Instructions

After following normal SI diagnostics, if a solution is not found, inspect for a missing/damaged O-ring seal in the charge air cooler coupler.

This coupler is located on the passenger side of the charge air cooler where the air duct slips into it. The arrows in the picture below are pointing to the O-ring seal being discussed.

Note: It might be helpful to use the EEST GE 41413-A and introduce smoke into the induction/charge air cooler system to assist with isolating any further system leaks. Place a plastic disposable bag around the air filter during testing. With the engine off introduce smoke through a suitable intake vacuum port, allow several minutes for the smoke to move throughout the system, switching between nitrogen and smoke may help speed up the process. Visually inspect all related induction system components for signs of smoke indicating a potential leak.

The picture below is from an ATS. Other models are similar.



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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