



Preliminary Information

PIP5349B Knocking Noise Under Light Load

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Enclave	2012 - 2017	ALL	ALL	3.6L LLT	ALL
Chevrolet	Traverse	2012 - 2017	ALL	ALL	3.6L LLT	ALL
GMC	Acadia	2012 - 2017	ALL	ALL	3.6L LLT	ALL

Supersession Statement

This PI was superseded to update model years. Please discard PIP5349A.

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

Condition / Concern

Customer may complain of a knocking noise from the engine under light load while driving with engine speed between 1100 and 1800 rpm.
Generally this noise will be heard inside the vehicle more prominently than under the hood.
Prior to engine disassembly, follow these recommendations.

Recommendations / Instructions

Using a stethoscope or chassis ears, listen for this knock at the intake manifold and at the lower engine.
We have seen some concerns where the internal air horns of the intake will resonate against the outside of the housing causing a knock.
This knock can sound like a piston or rod knock at times and lead to unnecessary engine inspection or replacement.
If the noise is more noticeable in the intake manifold, then replace the upper intake manifold assembly and reevaluate the concern.
If the noise is still present then continue with normal diagnosis for an engine knock concern.

Parts Information

Part Number	Description	Quantity
12648915	Upper Intake Manifold	1
12647263	Upper Intake Manifold Gasket kit	1

Warranty Information

For Vehicles Repaired Under Warranty:

Labor Operation	Description	Labor Time
4060450	Intake Manifold Replacement	Use Published Labor Operation Time

