



Service Bulletin

PRELIMINARY INFORMATION

Subject: Light Tap Or Knock Noise From Engine When Hot

Models: 2017 Buick LaCrosse
2016 Chevrolet Camaro
Equipped with an LGX 3.6L Engine

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

Condition/Concern

Some customer's may comment that there is a hollow knock or tap noise coming from the engine compartment.

This knock or tap noise may be coming from the mechanical vacuum pump which is part of the oil pump assembly inside the oil pan and is the source of vacuum for the brake system. If you encounter this, the following inspection and repair should be followed prior to further diagnostics.

Note: This in no way adversely affects the ability of the vacuum pump to supply vacuum to the brake booster.

Further this in no way affects the longevity of the serviceability of the vacuum pump.

Recommendation/Instructions

We have identified a possible concern with the mechanical vacuum pump for the brake system. Please follow this diagnosis precisely to address this concern.

1. Start the vehicle, let it idle until oil is 98C / 208F.
2. Determine if the noise is present.
3. If noise is present pump the brakes 3-5 times to see if the noise goes away, noise will return a short time later.
The noise occurs when the brake booster system is at equilibrium (fully drawn down), so pumping the brakes will require the vacuum pump to create more vacuum to compensate.
4. If the noise goes away when applying the brakes do not attempt to repair this condition.
5. If the noise is still there proceed with other diagnostics.

Note: Engineering is working with the pump supplier and calibrations to attempt to improve this situation..

As more information becomes available or if any changes are made, this bulletin will be updated.

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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