



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Excessive Oil Consumption - Install Updated ECM Calibration and Perform Oil Consumption Test

**Models:** 2010-2011 Buick Lacrosse  
2011 Buick Regal  
2010-2011 Chevrolet Equinox  
2010-2011 GMC Terrain  
with 2.4L Engine (RPO LAF)

*This PI was superseded to update recommendations/instructions. Please discard PIP5025C.*

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

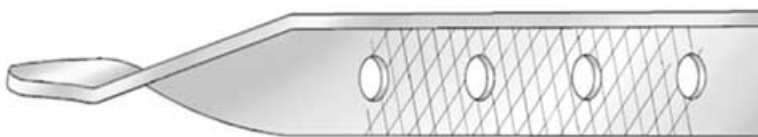
### Condition/Concern

Some customers may complain of excessive oil consumption and/or that they have to add oil between oil changes.

### Recommendation/Instructions

If this complaint is encountered, perform an oil consumption test by following the latest version of bulletin 01-06-01-011. Before starting the oil consumption test, also reprogram the ECM with the latest TIS2web calibrations to adjust the engine oil life monitor to a maximum of 7,500 miles (12,070 KM).

**Important:** When checking the oil level with the oil dipstick design shown below, please note that the oil volume per notch is not linear due to the shape of the block. The upper notches (relative to the top of the handle) equal .24 quart (.227 L) between each notch while the lower notches only equal .14 quart (.132 L) between each notch. As a result, no oil will appear on the dipstick if it is low on oil by approximately 1.25 quarts (1.18L) or more. When determining the oil consumption rate, the oil volume added to return it to the starting location is the total amount of oil consumed. The consumption rate must be documented on a repair order.



If the oil consumption test indicates that the rate of consumption is greater than 1 quart (.946 L) of oil every 2,000 miles (3,200 KM), perform the Oil Consumption Diagnosis as outlined in SI and repair as necessary.

If your diagnosis identifies a concern that requires engine replacement (cylinder wall damage, etc.) or if it does not isolate the cause of excessive oil consumption, please note the oil consumption rate that has been verified, the date that the ECM was reprogrammed, and the results of your diagnosis. Dealers

who are required to contact PQC for engine replacement authorization should call PQC with the engine unit numbers and engine replacement cost as outlined in the latest version of 02-07-30-029 to determine if engine replacement is required. The engine unit numbers should be located on a white bar code sticker on the front of the engine and/or stamped near the engine oil filter.

**Important:** If engine replacement is required, it may or may not be necessary to swap/replace the intake camshaft and intake camshaft actuator sprocket depending on the engine part number received for 2010 models. As a result, it is suggested to review the latest version of PI0865 and/or follow the related instruction sheet that should be attached to the engine crate to determine if additional parts need to be installed or swapped from the original engine to the replacement engine before it is installed.

## Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
J6350	Engine Control Module Reprogramming with SPS	Use Published Labor Operation 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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