



Service Bulletin

PRELIMINARY INFORMATION

Subject: Information on New Service Replacement Engine - Part Number 12655766

Models: 2011-2013 Buick Regal
2012-2013 Buick Verano
2010-2013 Chevrolet Equinox
2010-2013 GMC Terrain
Equipped with 2.4L Engine (RPOs LAF or LEA)

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

Condition/Concern

At this time, a "three-quarter" service replacement engine (PN 12655766) may be received when a service replacement engine is ordered. It is based on the 2013 model year production engine and may not contain the fuel injectors, fuel rail, intake manifold, ignition coils, or high pressure fuel pump.

Recommendation/Instructions

Before installing this engine, transfer the above components from the original engine to the replacement engine as necessary. As mentioned in SI, a new high pressure fuel feed pipe from the pump to the fuel rail must be installed or a fuel leak may develop.

Important: For 2010 Chevrolet Equinox, 2010 GMC Terrain, and 2011 Germany-built Buick Regals built before VIN B1014160, also transfer the original intake camshaft and intake camshaft actuator sprocket to the replacement engine. The intake camshaft does not need to be replaced if it is slightly dark/discholorred or if there is slight scoring (cannot feel with fingernail) on the lobe surfaces. In most cases the camshaft and the cam actuator can be reused.

Important: For 2010-2011 models built before March 2011, check GWM to determine if the high pressure fuel pump has ever been replaced. If not, replace it with a new high pressure fuel pump.

Reference the parts catalog if new replacement parts are required and reference the service manual repair instructions for proper replacement procedures. As always, also check and fill the engine oil before starting the engine.

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
J1840	Engine Replacement	Use Published Labor Operation Time
Add	To Transfer Parts (2011-2013 Only)	1.0 Hour
Add	To Transfer Parts (2010 Only)	1.8 Hours

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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