



Service Bulletin

PRELIMINARY INFORMATION

Subject: Information on 2.4L Ecotec Service Engine

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

Attention: This PI also applies to any of the above models that may be Middle East Export from North America Vehicles.

This PI is being revised to add an important statement. Please discard PI0865C.

The Ecotec 2.4L service engine will not have the intake manifold, high pressure fuel system or the ignition coils installed. These components must transferred from the original engine. A new high pressure fuel feed pipe from the pump to the fuel rail must also be used. Do not reuse the original pipe as a fuel leak may develop.

For the 2010 model year engine, new part number 12657110, already has the correct intake camshaft and actuator in the engine. There is no need transfer these parts when using this part number.

Important: The new 2.4L Ecotec Service engines DO NOT come shipped with oil.

Important: The new 2.4L Ecotec service engine contains a 5 rib balancer. Check the balancer rib count on the original engine and change as needed.

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

Parts that need to be transferred from original engine to the new service engine:

- Intake Manifold
- Fuel Injectors
- High Pressure Fuel Pump
- Fuel Feed Pipe
- Ignition Coils

Parts Information

Part Number	Usage	Description
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12657110	2010 MY Equinox and Terrain 2011 MY Regal Built Prior to VIN B1014160	Ecotec Engine
12655766	2011 MY Regal Built After and Including VIN B1014160 2011-2013 MY Equinox and Terrain 2012–2013 Regal and Verano 2012–2013 Orlando	Ecotec Engine
12631646	All	Fuel Injector Seal Kit
12595951	All	High Pressure Fuel Pump Gasket
12628003	All	Intake Manifold Gasket
12622668	All	Exhaust Manifold Gasket
12608374	All	Fuel Feed Pipe

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4067490	Engine Replacement	Use Published Labor Operation Time

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 this information.



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