



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** New 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

The new Ecotec 2.4L service engine will not have the intake manifold, high pressure fuel system or the ignition coils installed. These components must be 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 2010 model year engine, in addition to the fuel system and ignition coils, the original intake camshaft and intake camshaft actuator must also be transferred to the new engine. Transferring these parts should be done while the engine is out of the vehicle.

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

**Note:** For 2010 model engines, the camshaft does not need to be replaced if there is slight scoring (cannot feel with fingernail) on the lobe surfaces. If the camshaft is slightly dark/discolored, it does not need to be replaced. 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 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
- Intake Camshaft (2010 Only)
- Intake Camshaft Actuator (2010 Only)

### Parts Information

Part Number	Description
12655766	Ecotec Engine
12631646	Fuel Injector Seal Kit

12595951	High Pressure Fuel Pump Gasket
12628003	Intake Manifold Gasket
12622668	Exhaust Manifold Gasket
12608374	Fuel Feed Pipe

### 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 hr
Add	To Transfer Parts (2010 Only)	1.8 hrs

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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