



# Service Bulletin

File in Section: -

Bulletin No.: PI0746D

Date: July, 2013

## PRELIMINARY INFORMATION

**Subject:** Malfunction Indicator Lamp (MIL) On, Poor Acceleration, Throttle Body Freezing, Multiple DTCs Set, Ice Deposits and/or Oil Deposits Present in Air Inlet Duct

**Models:** 2008-2011 Buick Enclave  
2007-2011 Chevrolet Malibu  
2009-2011 Chevrolet Traverse  
2007-2011 GMC Acadia  
2007-2010 Pontiac G6  
2007-2009 Saturn AURA  
2007-2010 Saturn OUTLOOK  
Equipped with 3.6L Engine (RPOs LY7, LLT)

This PI is being revised to add the Saturn AURA and update the first Parts Information table and Warranty Information. Please discard PI0746C.

### Condition/Concern

Some customers may comment that the malfunction indicator lamp (MIL) is on.

They may also comment on poor engine performance and/or reduced acceleration.

The reduced engine power will be experienced after initial cold start up or driving in low ambient temperatures.



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Technicians may find DTCs P0101, P0171, P0172, P0174, P0175, P1516, P2177, P2178, P2179, P2180, P2187, P2188, P2189 and/or P2190 along with either ice or oil deposits in the air inlet duct.

Ice formation is caused by condensation freezing at the base of the throttle body with additional collection of ice formation deposits in the air inlet duct. Freezing condensation forms after the vehicle has been driven and then parked in low ambient temperatures.

Oil deposits are the collection of the engine vapors, fuel dilution and oil mist at the base of the throttle body with additional formation collecting in the duct.

## Recommendation/Instructions (2007-2008 Enclave, Malibu, Traverse, Acadia, G6, AURA, OUTLOOK)

Use the following steps for servicing the positive crankcase ventilation (PCV) system for the models listed above.

1. Remove both camshaft covers for servicing of the PCV system. Refer to Camshaft Cover Replacement Left and Right Side in SI.
2. Clean the PCV orifice with low VOC brake cleaner. Allow to air dry with compressed shop air.
3. Replace the bank1 camshaft cover gasket.
4. Reassemble the bank1 camshaft cover.

### Tighten

Tighten the camshaft cover bolts to 10 N•m (89 lb in).

5. Replace the bank2 camshaft cover and replace the camshaft cover gasket.
6. Reassemble the bank2 camshaft cover.

### Tighten

Tighten the camshaft cover bolts to 10 N•m (89 lb in).

7. Install new PCV foul air tube.

## Parts Information (2007-2008 Enclave, Malibu, Acadia, G6, AURA, OUTLOOK)

Part Number	Description
19301853	Tube, PCV (Enclave, Traverse, Acadia, OUTLOOK)
12616914	Tube, PCV (Malibu, G6, AURA)
12647768	Cover, CM/SHF (LH) (LY7)
12641261	Seal, CM/SHR CVR (RH) (LY7)

## Warranty Information

For vehicles repaired under the 5 year/100,000 mile (160,000 km) Powertrain Coverage (Code P) warranty, use:

Labor Operation	Description	Labor Time
4080098*	Replace Positive Crankcase Ventilation Tube/Covers/Seal (Enclave, Acadia, OUTLOOK)	3.2 hrs
	Replace Positive Crankcase Ventilation Tube/Covers/Seal (Malibu, G6, AURA)	2.3 hrs
*This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.		

## Recommendation/Instructions (2009-2010 Enclave, Malibu, Traverse, Acadia, G6, 2009 AURA, OUTLOOK)

Use the following steps for servicing the positive crankcase ventilation (PCV) system for the models listed above.

1. Remove both camshaft covers for servicing of the PCV system. Refer to Camshaft Cover Replacement Left and Right Side in SI.
2. Clean the PCV orifice with low VOC brake cleaner. Allow to air dry with compressed shop air.
3. Replace the bank1 camshaft cover gasket.
4. Reassemble the bank1 camshaft cover.

### Tighten

Tighten the camshaft cover bolts to 10 N•m (89 lb in).

5. Replace the bank2 camshaft cover and replace the camshaft cover gasket.
6. Reassemble the bank2 camshaft cover.

### Tighten

Tighten the camshaft cover bolts to 10 N•m (89 lb in).

## Parts Information (2009-2010 Enclave, Malibu, Traverse, Acadia, G6, 2009 AURA, OUTLOOK)

Part Number	Description
12647772	Cover, CM/SHF (LH) (LLT)
12647768	Cover, CM/SHF (LH) (LY7)
12641261	Seal, CM/SHR CVR (RH) (LLT, LY7)

## Warranty Information

For vehicles repaired under the 5 year/100,000 mile (160,000 km) Powertrain Coverage (Code P) warranty, use:

Labor Operation	Description	Labor Time
4080098*	Replace Positive Crankcase Ventilation Tube/Covers/Seal (Enclave, Acadia, Traverse, OUTLOOK)	3.9 hrs
	Replace Positive Crankcase Ventilation Tube/Covers/Seal (Malibu, G6, AURA)	2.3 hrs

\*This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.

Use the following steps for servicing the positive crankcase ventilation (PCV) system for the models listed above.

## Recommendation/Instructions (2011 Enclave, Malibu, Traverse, Acadia)

1. Remove the bank2 camshaft cover for servicing of the PCV system. Refer to Camshaft Cover Replacement Left Side in SI.
2. Clean the PCV orifice with low VOC brake cleaner. Allow to air dry with compressed shop air.
3. Replace the bank2 camshaft cover and replace the camshaft cover gasket.
4. Reassemble the bank2 camshaft cover.

### Tighten

Tighten the camshaft cover bolts to 10 N•m (89 lb in).

## Parts Information (2011 Enclave, Malibu, Traverse, Acadia)

Part Number	Description
12647772	Cover, CM/SHF (LH) (LLT)
12647768	Cover, CM/SHF (LH) (LY7)

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4060970	Camshaft Cover Replacement	Use Published Labor Operation Time