

2007 Chevrolet Suburban C1500

Excessive Engine Oil Consumption (Verify Condition, Inspect Valve Stems, Replace Cylinder Heads if Necessary)

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TECHNICAL SERVICE BULLETIN

Reference Number(s): 07-06-01-007B, Date of Issue: July 18, 2008

Affected Model(s): 2006-2007 Chevrolet Avalanche, Silverado Classic; 2007 Chevrolet Impala, Monte Carlo, Silverado, Suburban, Tahoe, TrailBlazer; 2006-2007 GMC Envoy, Sierra Classic; 2007 GMC Sierra, Yukon, Yukon XL; 2007 Pontiac Grand Prix; 2006-2007 Saab 9-7X; with 4.8L or 5.3L V8 Engine (VINs C, B, Z, 3, M, T, 0, V, C, J - RPOs LY2, L33, L59, LC9, LH6, LM7, LMG, LR4, LS4, LY5)

Supercedes: This bulletin is being revised to inform technicians that the old cylinder heads are no longer being requested/required to be sent back to WPC. Please discard Corporate Bulletin Number 07-06-01-007A (Section 06 - Engine/Propulsion).

CONDITION:

Some customers may comment on excessive engine oil consumption. The rate of oil consumption described may usually be around 0.946 liter (1 quart) of engine oil in 805 to 1125 km (500 to 700 mi).

CAUSE

The engine oil consumption may be caused by a nick in the valve stem.

CORRECTION

IMPORTANT: If one or more damaged valves are identified in one head, BOTH heads should be replaced.

Correction

Do This	Don't Do This
<ul style="list-style-type: none">Inspect for excessive oil consumption.Inspect all valves for damage and replace cylinder heads as needed.	Do NOT replace engine assembly or build up cylinder heads with SPO material.

IMPORTANT: The completely built-up cylinder heads can be obtained from the Warranty Parts Center.

Complete the current SI diagnosis for any DTCs or symptoms found. Refer to Corporate Bulletin Number **01-06-01-011C** for Information on Engine Oil Consumption Guidelines.

If excessive oil consumption has been verified, all of the valve stems need to be inspected for damage. One or more of the valve stems may be nicked.

After removing the valve cover, all the rocker arms need to be loosened to assure the valves are closed.

It is possible to see a nicked valve stem through the valve spring coil (a mirror and flashlight will be required), but in some cases the valve spring may need to be removed. Photos of a nicked valve stem are shown below.



Fig. 1: View Of Nicked Valve Stem (1 Of 2)
Courtesy of GENERAL MOTORS CORP.

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Fig. 2: View Of Nicked Valve Stem (2 Of 2)
Courtesy of GENERAL MOTORS CORP.

A valve stem nick can be in any 360 degree area due to rotation, so each valve stem must be examined carefully.

If the engine oil consumption is excessive, and a nicked valve stem has been found, the cylinder heads will need to be replaced. The cylinder heads will be serviced as an assembly (the head will be complete with valves and springs) and shipped to the dealer by the Warranty Parts Center (WPC). The dealer will have to order the necessary parts/gaskets to complete the cylinder heads remove and replace. Refer to the Cylinder Head Replacement procedures in the applicable Engine Mechanical sub-section.

PARTS INFORMATION

Parts Information

WPC #	P/N	Description / Usage
375	12589777*	Cyl Head Asm (RPOs L33, LMG, LY5, LH6, LS4, LC9, LY2)
374	12589776*	Cyl Head Asm (RPOs LR4, LM7, L59)

*Cylinder heads completely built-up are available at the GM Warranty Parts Center (WPC). Fax the form included in this bulletin to the WPC.

WARRANTY INFORMATION (EXCLUDING SAAB U.S. MODELS)

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For vehicles repaired under warranty, use:

Warranty Information (excluding Saab U.S. Models)

Labor Operation	Description	Labor Time
J0517	Head, Cylinder-Both Banks - Replace	Use Published Labor Operation Time

WARRANTY INFORMATION (SAAB U.S. MODELS)

For vehicles repaired under warranty, use:

Warranty Information (Saab U.S. Models)

Labor Operation	Description	Failed Object	Fault/Reason Code	Location Code	Warranty Type	Repair/Action Code	Labor Time
2110003	Head, Cylinder-Both Banks - Replace	21100	71	5	01	01	Use Published Labor Operation Time

IMPORTANT NOTE WHEN PRINTING THIS FORM: If the form prints out on two pages, make certain you fax BOTH pages so that the WPC receives all the needed information. Missing information will delay or prevent the part from being shipped.

Parts Request Form**Parts Request Form - Warranty Parts Center**

To: Warranty Parts Center
 e-mail: warrantypartscenterUSA@gm.com
 or WPC Fax: 248-371-0192
 Attn: Jeannette Dunn

Part Being Requested:

Quantity **two** of WPC #374 _____Quantity **two** of WPC #375 _____

Dealer BAC (U.S.) / Dealer Code (Canada):

Dealer Name:

Dealer Address:

Dealer Contact Person:

Dealer Phone Number:

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Repair Order Number:

Vehicle VIN:

IMPORTANT:

If you do not receive the part within 2 business days after e-mailing or faxing your part request to the Warranty Parts Center, please call Customer Assistance at 248-371-9901/9902.

IMPORTANT NOTE WHEN PRINTING THIS FORM: If the form prints out on two pages, make certain you fax BOTH pages so that the WPC receives all the needed information. Missing information will delay or prevent the part from being shipped.