



Service Bulletin

Bulletin No.: 06-06-01-019C

Date: March, 2024

INFORMATION

Subject: Information on Gradual Coolant Loss Over Time with No Evidence of Leak Found

Models: 2004-2006 Buick Rainier
2001-2006 Cadillac Escalade Models
2001-2006 Chevrolet Avalanche, Blazer, Silverado, Suburban, Tahoe, TrailBlazer Models
2001-2006 GMC Envoy, Jimmy, Sierra, Yukon Models
2001-2004 Oldsmobile Bravada
1998-2002 Pontiac Firebird
2005-2006 Saab 9-7X
with 4.8L, 5.3L, or 5.7L VORTEC® GEN III, GEN IV V8 Engine (VINs G, V, T, M, B, Z — RPOs LS1, LR4, LM7, LH6, L33, L59)

This bulletin has been revised to add the 1998-2002 Firebird, engine RPO LS1 and the first important statement. Please discard Corporate Bulletin Number 06-06-01-019B.

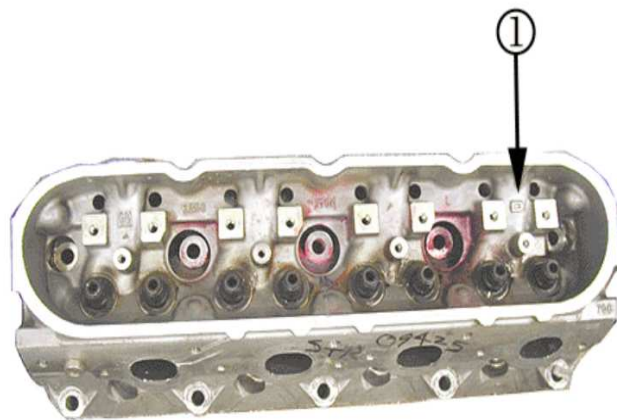
Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Some vehicles may experience a gradual coolant loss over time. A very low percentage of cylinder head(s) manufactured with an embossed **Castech** logo may develop a porosity crack in a very specific area.

Inspect the cylinder head assembly to determine if the casting was manufactured by Castech. This can be accomplished by inspecting for their casting logo located on top of the intake port, under the rocker arm support rail and in the spring deck cavity portion of the cylinder head.

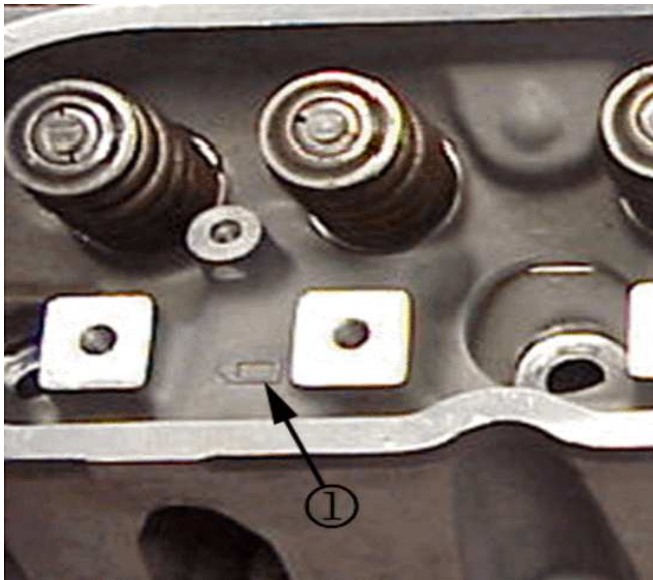
Important: If the cylinder head(s) are **Not** a **Castech** casting, follow normal diagnostic procedures in SI to determine the cause of the coolant loss.

Refer to the following illustrations on how to identify **Castech** casting and/or the very specific areas of the cylinder head(s) for a coolant leak from porosity.



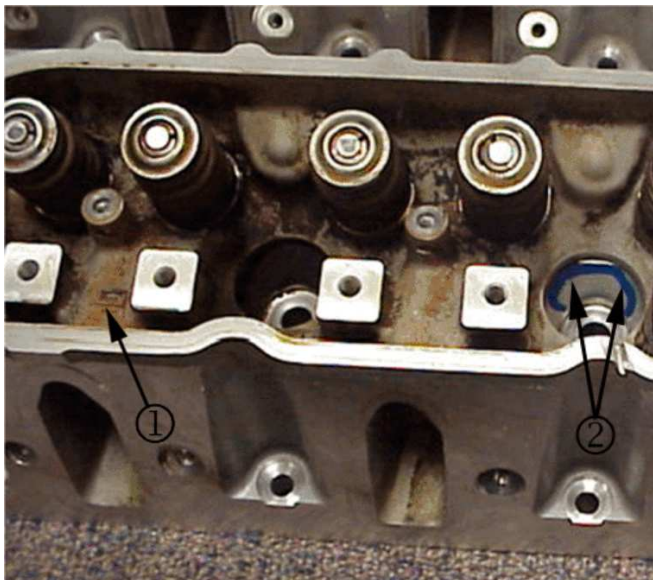
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Cylinder head(s) location of the **Castech** manufacturing casting logo (1).



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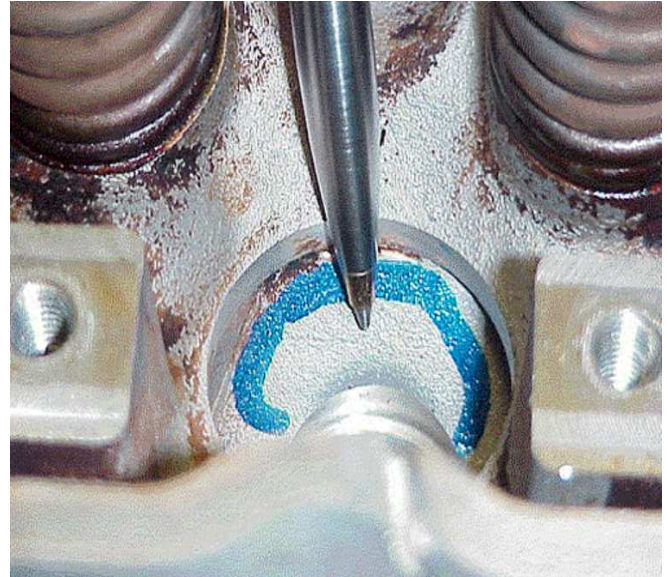
Close up view of the cylinder head(s) showing the **Castech** manufacturing casting logo (1).



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If the cylinder head(s) is a **Castech** casting (1), inspect the area around the five oil drain holes for witness marks indicating coolant seepage over time (2).

Important: If **No** evidence of coolant loss is found on inspection of **Castech** casting cylinder head(s), follow normal diagnostic procedures in SI to determine the cause of the coolant loss.



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The crack location can be found in any of the five-cylinder head(s) oil drains. This can be seen as a clean or shiny area, on an otherwise stained surface (1). Pressurizing the cooling system at this time may reveal coolant, air, or a combination, weeping in the described area. If inspection reveals evidence of coolant witness marks (1), replace the entire cylinder head(s) assembly.