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<b>TECHNICAL BULLETIN</b>		<b>Mfg:</b> GM
	<b>July 2006</b>	<b>Model:</b> C-SERIES
	<b>TB 2367</b>	<b>Liter:</b> 6.6L
		<b>V I N:</b> 1
		<b>Year:</b> 01-04

Revised Main Bearing Bolt For  
2001-2006 GM 6.6L VIN 1 & 2 Diesel Engines

The AERA Technical Committee offers the following information regarding a revised main bearing cap bolts for 2001-2006 GM 6.6L diesel engines. During the early production of 2006 Duramax™ diesel engines, a design change was made to the bearing cap bolt and bore for increased durability.

This change includes a .150" (4 mm) longer main bearing cap bolt along with a deeper tapped hole and a deeper counter bore. The new bolt can be identified by a raised circle formed into the bolt head as shown in Figure 1 below.

Figure 1. Different Design Bolts

Use of the incorrect bolt will result in engine damage. The shorter bolt will not have enough thread engagement in the newer blocks due to the deeper counter bore, and the longer bolts will bottom out in the older blocks before achieving the proper clamp load. Measurement of the bolt length is not a reliable method of identifying the bolt, as the bolts will stretch to a varying degree after installation. The main bearing cap bolts should not be reused in service.

When performing service work on ANY model year Duramax™ engine, the main bearing cap bolts must be replaced with the same type of bolt that was originally installed. Use the raised circle identifying mark on the bolt head to determine which bolt to use.

It is possible that a prior year vehicle (2001+) could have the newer block with a deeper counter bore if it had an engine replacement after the block change was implemented in production. This is possible because some long block service engines may be built with new production components, such as engine blocks.

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In the event that the raised circle identifying mark on the bolt head cannot be relied upon to determine the correct bolt usage, the engine block production date/time stamp may be used.

Figure 2. Date Code Location

The above engine block graphic illustration shows the location of the block's production date/time stamp behind the oil cooler. This date and time indicates the beginning of usage for the longer main bearing cap bolt. Any block built before this time will require the shorter bolt. The production date and time in the above illustration can be determined as follows:

5227 = 2005, 227th day (August 15)  
1200 = 1200 hours (12 PM)

Refer to the chart below when ordering new main bearing cap bolts for this engine.

The AERA Technical Committee

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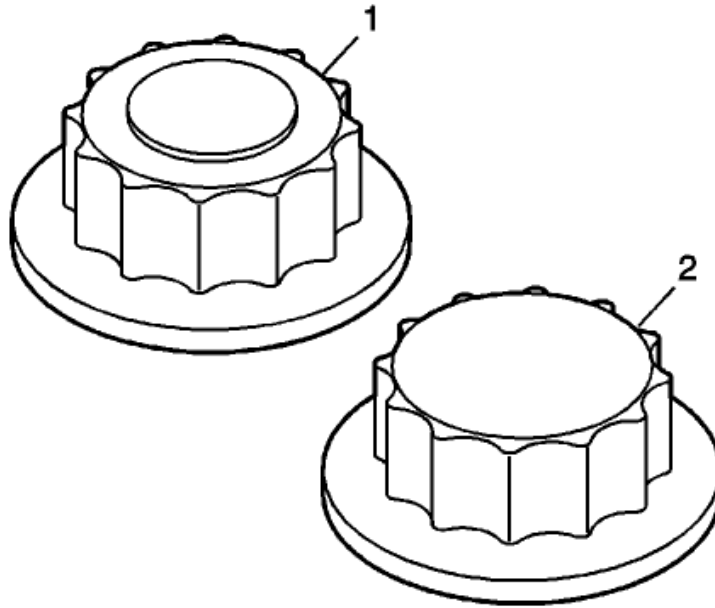
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## Bulletin Diagram: FIGURE 1. BOLT HEAD DIFFERENT APPEARANCES - CYLINDER BLOCK



1. Second Design
2. First Design

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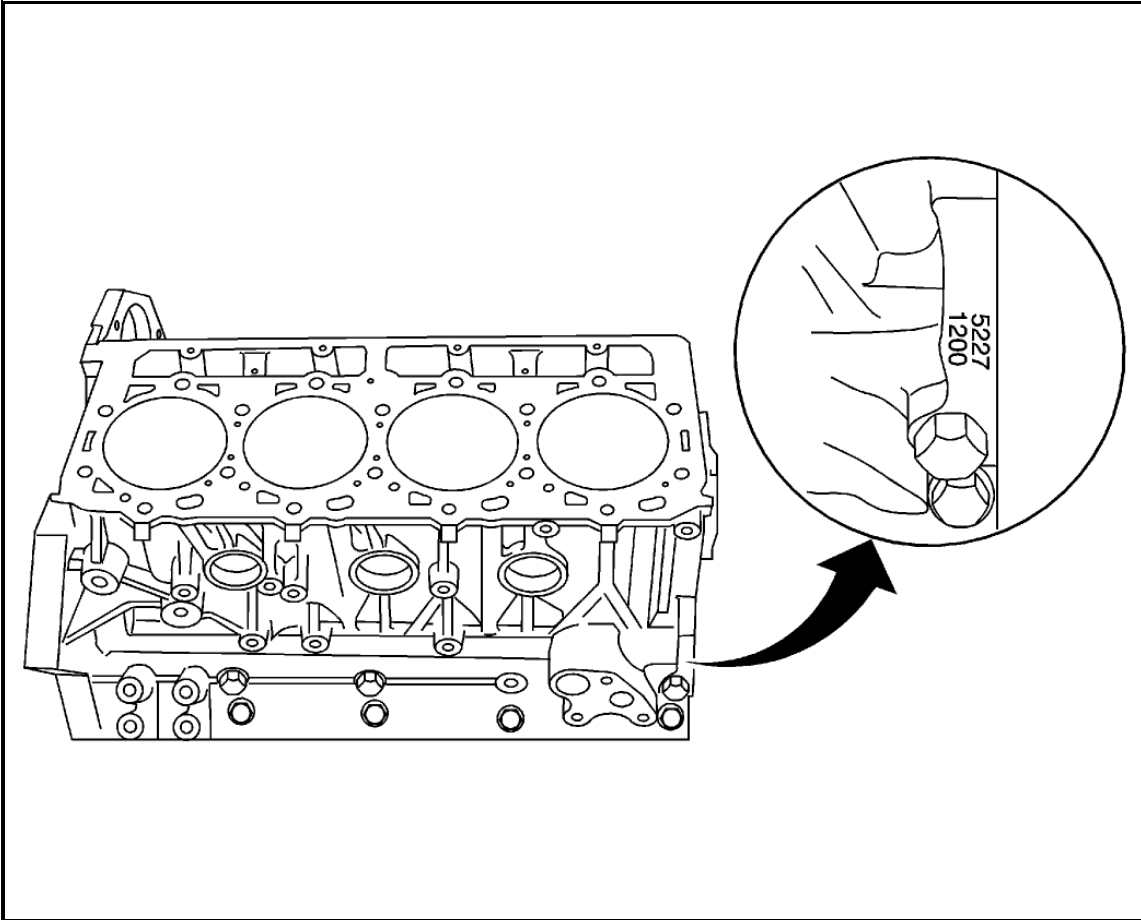
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**Bulletin Diagram: FIGURE 2. BUILD DATE CODE LOCATION - CYLINDER BLOCK**



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## Bulletin Diagram: FIGURE 3. MAIN BEARING BOLT PART NUMBERS - CYLINDER BLOCK

Part Number	Description
97209622	Bolt, Crankshaft Bearing Cap (M14 X 105)
*98019464	Bolt, Crankshaft Bearing Cap (M14 X 109)
* Raised Circle On Bolt Head	

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