

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	March 2004 TB 2150
Mfg:	GM
Model:	COBALT
Liter:	2.2L
V I N:	F
Year:	00-08

Cylinder Head Bolt Caution On
2001-02 GM 2.2L VIN F Engines

The AERA Technical Committee offers the following information regarding a cylinder head bolt caution on 2001-02 GM 2.2LVIN F engines. Apparently previously published Saturn service manuals have the incorrect torque listed.

If the published torque is used, cylinder head bolt breakage may occur. Previously published head torque showed an additional 185° added for the last ending torque procedure. The correct torque for this engine should be 22 ft/lbs + 155°. Any time that the cylinder head is taken off of this engine, cylinder head bolts must be replaced. Follow the torque sequence provided below in Figure 1.

22 ft/lbs + 155°

Figure 1. Cylinder Head Bolt Torque Sequence.

The AERA Technical Committee

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Reference:	
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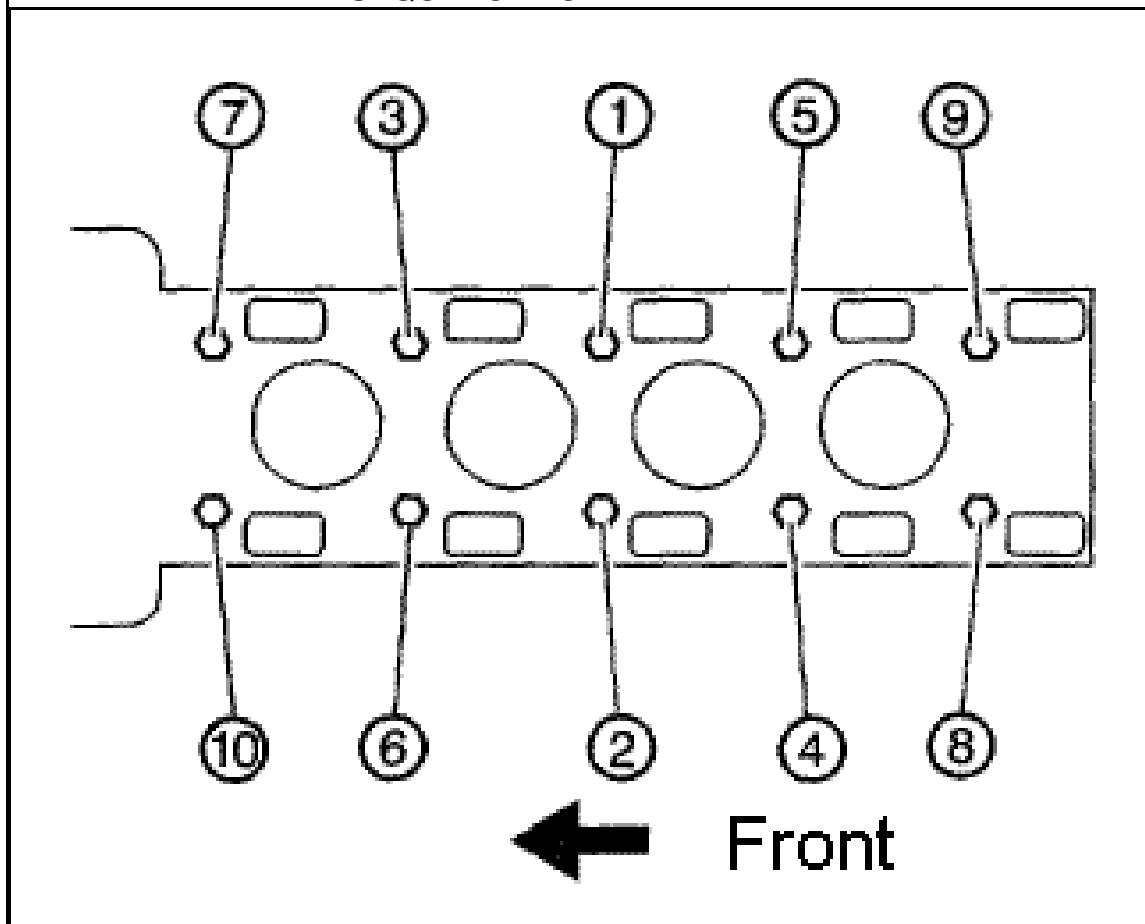


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**Bulletin Diagram: FIGURE 1. CYLINDER HEAD BOLT TORQUE
SEQUENCE - CYLINDER HEAD**



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