

Head Gasket Identification on 2001-2016 GM 6.6L Duramax Diesel Engines

The AERA Technical Committee offers the following information regarding head gasket identification on 2001-2016 GM 6.6L Duramax diesel engines. This information should be considered at the time these engines are being disassembled and considered for rebuild. Information contained within the head gasket coding will provide detail about the previous engine built by General Motors.

By looking at the detail of the removed head gasket and comparing it to the illustration and chart shown show below and in Figure 1 much can be learned about engines history. As an example, if there was an indication such as number 5 shown in the inset in the figure below it would mean the block was bored oversize and the block deck as milled and the engine was assembled with the thickest gasket available from GM.

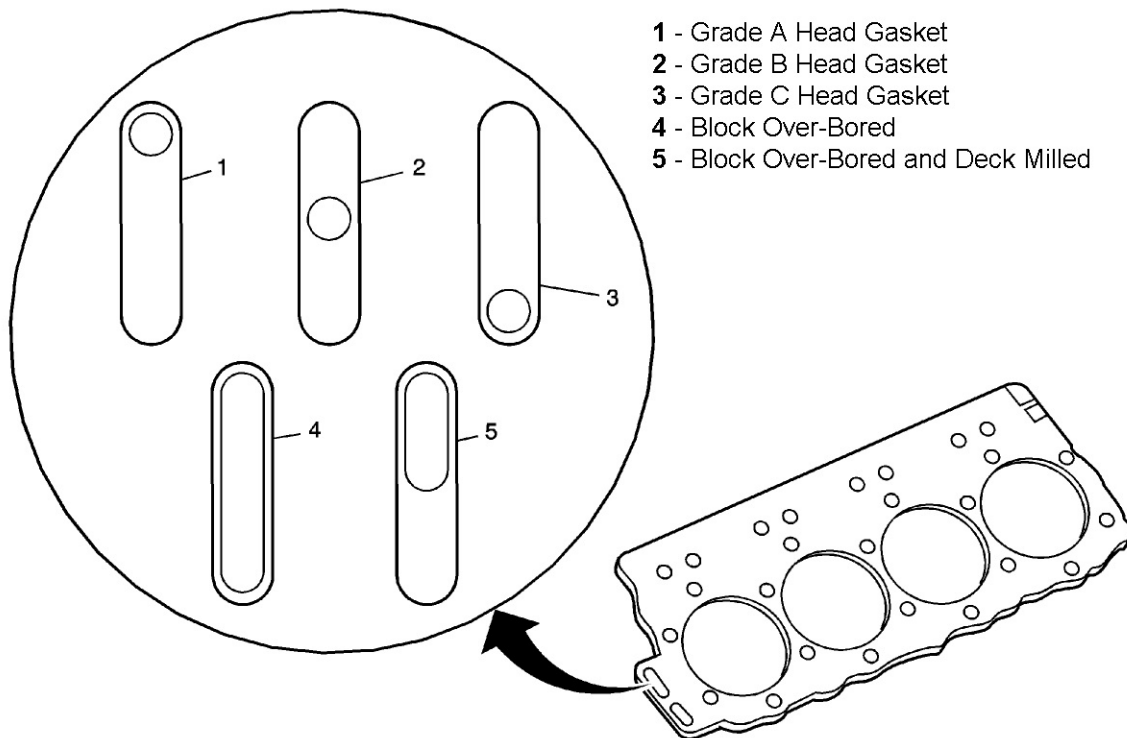


Figure 1. Head Gasket Identifying Detail
(continued, see chart on page 2)



Cylinder Head Gasket Grade	Ti Max (Piston Projection)		Compressed Gasket Thickness	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Grade A	0.223 -0.274	0.0088 -0.0108	0.90-1.00	0.0354-0.0394
Grade B	0.274-0.325	0.0108-0.0128	0.95-1.05	0.0374-0.0413
Grade C	0.325-0.376	0.0128-0.0148	1.00-1.10	0.0394-0.0433
Block Over-Bored 0.010-0.030 in (0.254-0.762 mm)	0.223-0.376	0.0088-0.0148	1.00-1.10	0.0394-0.0433
Block Over-Bored 0.010-0.030 in (0.254-0.762 mm) and Deck Milled 0.008 in (0.203 mm)	0.4257-0.5777	0.0168-0.0228	1.25-1.35	0.0492-0.0532

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