

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

TECHNICAL BULLETIN	
	December 2000 TB 1843
Mfg:	GM
Model:	CORVETTE
Liter:	5.7L
V I N:	G
Year:	97-04

Cylinder Head Caution For
1997-2000 GM 5.7L VIN G Engines

The AERA Technical Committee offers the following information on a cylinder head caution for 1997-2000 GM 5.7L VIN G engines. This information should be considered while the heads are removed from the engine for service work.

If heat cleaning or straightening, do not exceed 400 °F (204 °C) of temperature and avoid a direct flame process.

Check the heads for flatness .003" within any 6.0" and a max of .004" (0.1mm) as shown in Figure 1. Repeat checking procedure on cylinder block with a max of .004" (0.1mm).

If the heads require surfacing, ensure shop personal is aware and understand that the minimum thickness on these heads is 4.732" (120.20 MM) as shown in Figure 2.

If the measured valve guide to valve clearance indicates wear beyond service limits, the current available repair from GM is to fit with over size stem replacement valves. Or, a thin wall guide liner may also be considered at this time.

When the cylinder head is being serviced for a valve job, GM states the intake valves are to be replaced (do not grind). Intake valves are of an ultra light design and have insufficient material for grinding. (REPLACE ONLY is GM's recommendation).

Reseating the cylinder head seats can be accomplished using conventional accepted method as they can be ground or machined.

Refacing Angle for Valves & Seats:
Intake valve NA

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Intake seat	46°
Exhaust valve	45°
Exhaust seat	46°

Starting with the 1999 model year, the valve stem seals are color coded to indicate specific location. Intake seals are black in color and the exhaust seals are brown in color. Be sure to use the valve stem oil seal installer Part # J42078 for proper installation of the valve seals.

The AERA Technical Committee

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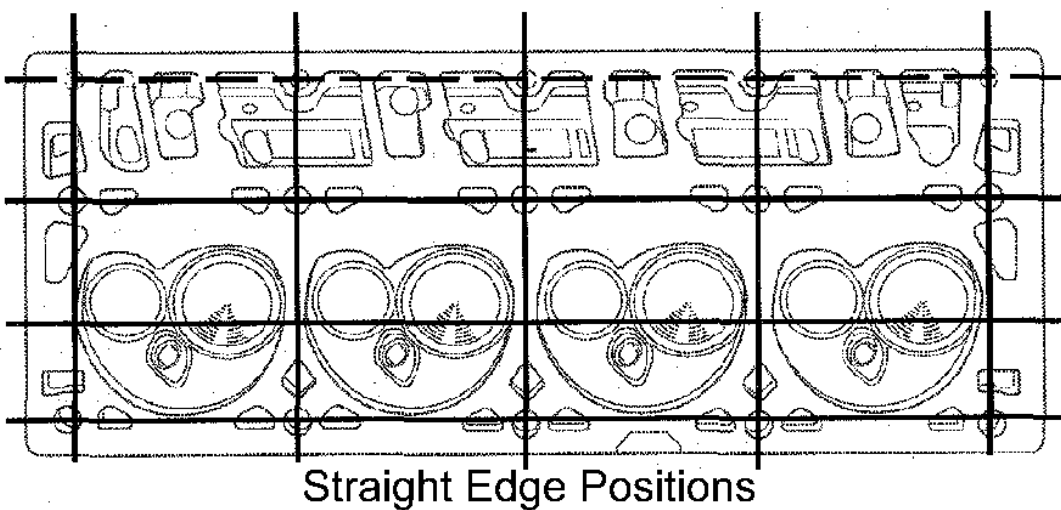


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Bulletin Diagram: FIGURE 1, STRAIGHT EDGE LOCATIONS - CYLINDER HEAD



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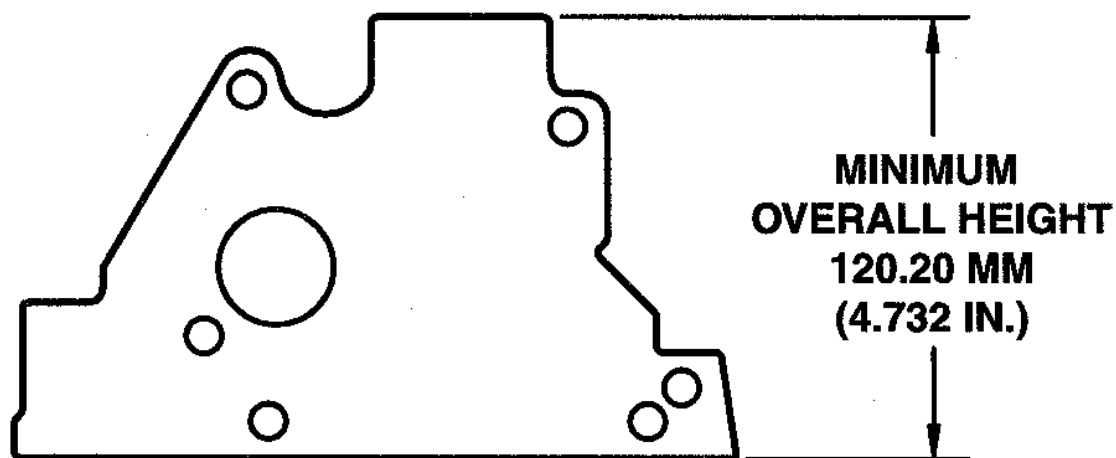


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Bulletin Diagram: FIGURE 2, CYLINDER HEAD HEIGHT - CYLINDER HEAD



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