



Cylinder Head Gasket Selection On 2016-2017 GM 2.8L Duramax Diesel Engines

The AERA Technical Committee offers the following information regarding cylinder head gasket selection on 2016-2017 GM 6.8L Duramax diesel engines. Selecting and using the wrong head gasket on this engine could cause engine damage.

GM offers three different thickness head gaskets for this new four-cylinder diesel engine. The proper gasket to use depends on the amount of piston protrusion present. When measuring piston protrusion, make sure that you measure each of the four cylinder locations. The gasket to use has to be based on the highest value recorded.

Make sure that the deck of the block is clean of all gasket material, carbon or any other material. Place a dial indicator on the deck surface and check the piston in two different locations. Place the pointer right above the piston pin centerline to prevent inaccurate readings from the piston rocking. Rotate the engine through TDC while noting the maximum reading on the dial.

Obtain the maximum value of projection for each of the cylinders. Determine the gasket grade using the information in the chart below. See Figure 1 for gasket grade location, projection values and thickness specifications.

Gasket Grade	Projection Value	Thickness	Grade	Part Number
A (NO-HOLE)	.0119-.0158" (.300-.399 MM)	.0434" (1.100 MM)	A	55599222 A
B (ONE-HOLE)	.0158-.0197" (.400-.499 MM)	.0473" (1.200 MM)	B	55599222 B
C (TWO-HOLE)	.0197-.0237" (.500-.599 MM)	.0512" (1.300 MM)	C	55599222 C

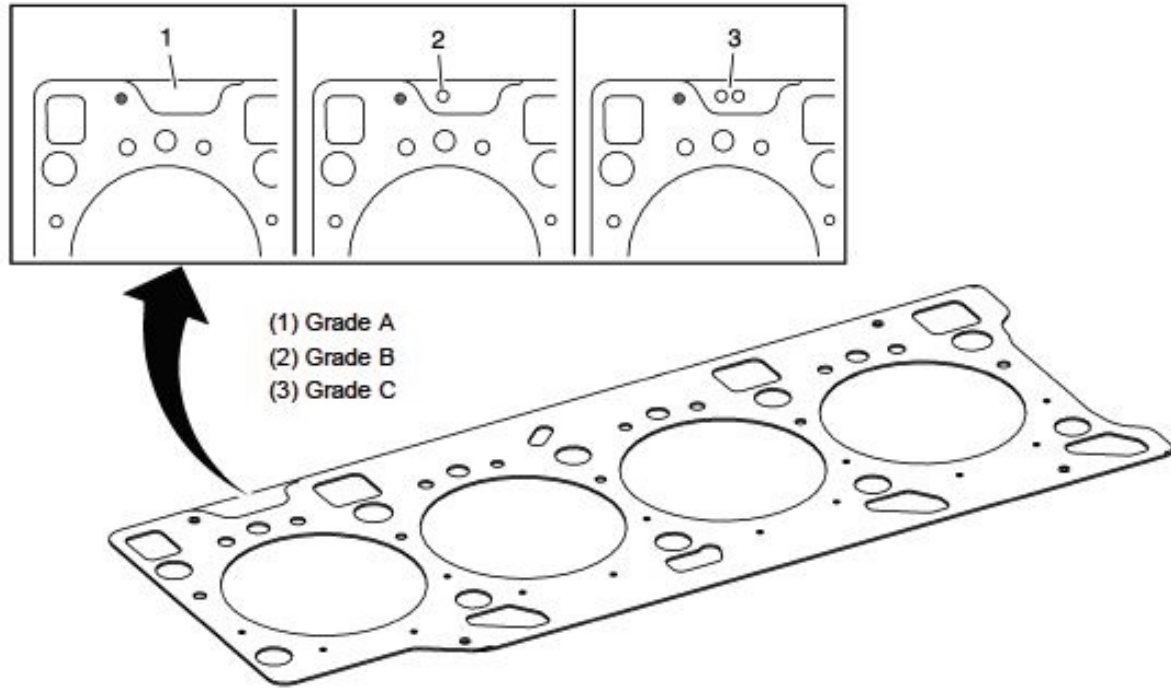


Figure 1. Head Gasket Grade Markings

Note: The desired piston dome to cylinder head clearance is .0276-.0315" (.701-.800 MM) for all gasket grades.