



No.: 07 TS - 04
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TO: Service Locations
FROM: Technical Service
SUBJECT: **MBE 4000 Cylinder Head And Head Gasket Information**

ISSUE

A new cylinder head and head gasket has been introduced. A 0.3mm recess was machined around each coolant inlet and outlet port in the cylinder head to give a better mating surface for the thicker rubber seal in the new head gasket. See the red circled areas below. The new cylinder head and gasket became effective with engine S/N: 0460866443 built on August 1, 2006.

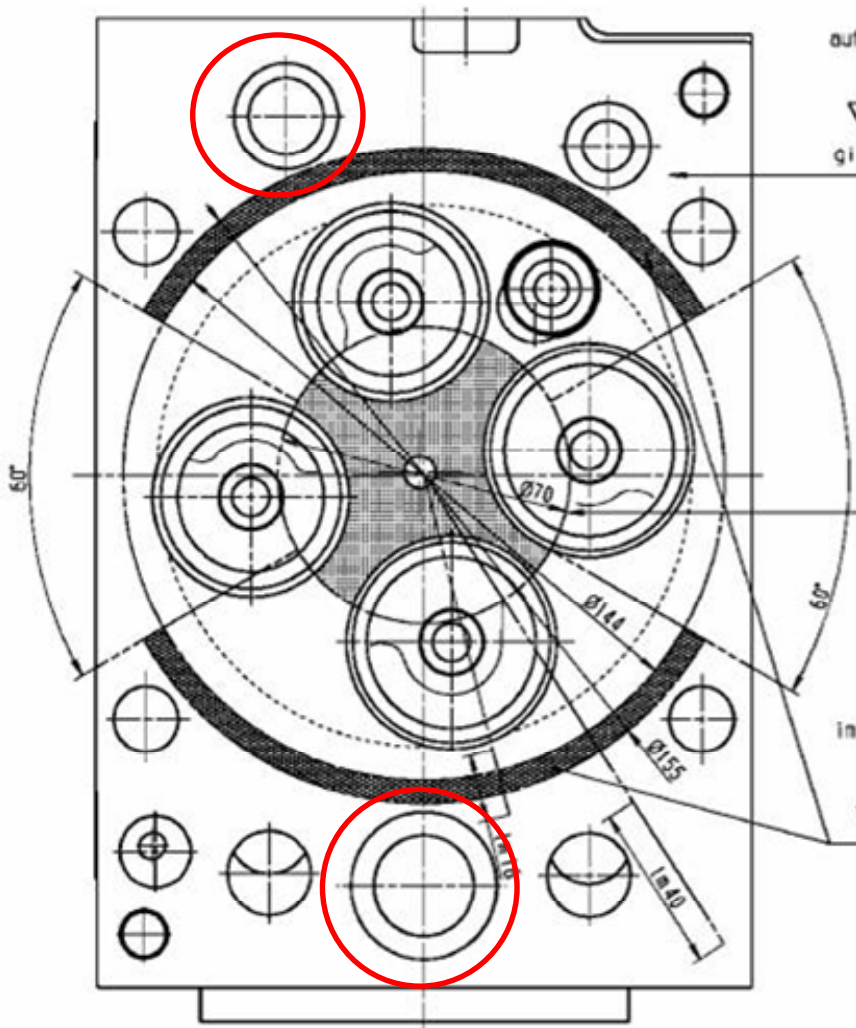


Figure 1 Cylinder Head and Head Gasket

REQUIRED ACTION

- The new cylinder head and gasket *MUST* be used together. Do *NOT* use a new head with older style gaskets, or a new gasket with an older style head.
- The former heads have been superseded to the new style.
- The former head gasket (P/N: 4570161120) will remain as a serviceable part.

REQUIRED MATERIAL

Listed below are the current service part numbers for each generation of cylinder head and gasket design.

Engine Type	New Part Number	Former Part Number	Description	Comments
EPA 2007 EGR	R4600101120	NA	Cylinder Head with Valves	New style parts must be used together
	A4570161220	NA	Cylinder Head Gasket	
EPA 2004 EGR	R4600101120	4600100820	Cylinder Head with Valves	New style parts must be used together
	A4570161220	4570161120	Cylinder Head Gasket	
EPA 1998 Non-EGR	R4570108620	4600100620	Cylinder Head with Valves	New style parts must be used together
	A4570161220	4570161120	Cylinder Head Gasket	

REPAIR PROCEDURE

Refer to the *MBE4000 Service Manual* (6SE412) for repair information.

CONTACT INFORMATION

Please contact the DDC Customer Support Center at 313-592-5800 if you have any questions.