HEAD Gasket Cooling Holes Comparison 59A to 8BA

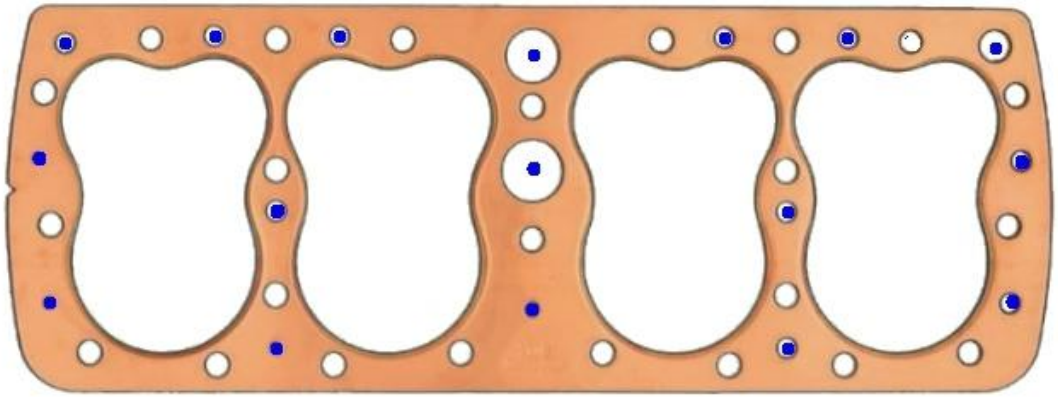
Early designs of Ford's V8 had cooling issues especially for the rear of the engine.

"The small engine and head holes in the front cylinders, for Ford 8BA head gaskets are intentional design features used to regulate and control coolant flow, not manufacturing errors or damage. These restrictive passages ensure even cooling distribution across all cylinders, particularly preventing overheating in the rear cylinders."

The earlier designs with large holes in the front block and heads, Ford found, were shortcutting flow to the rear of the motor.

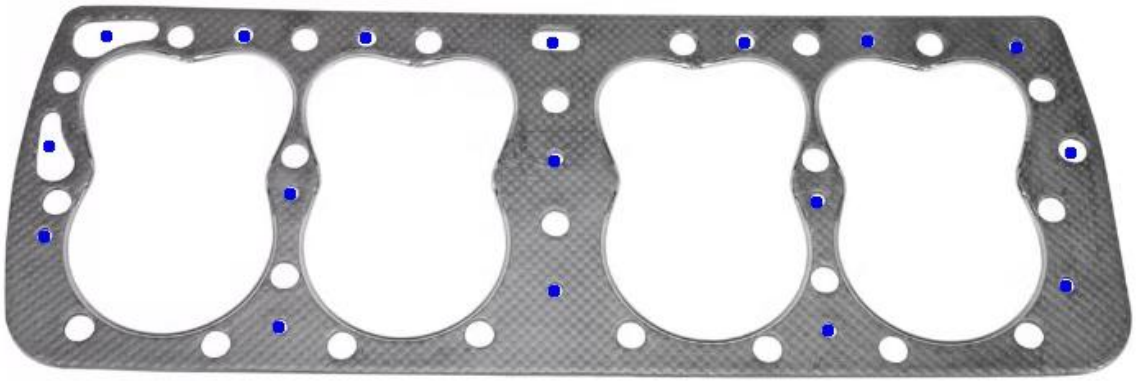
The blue dots are the cooling orifices in the pictures below.

59A head gasket



FRONT

8BA head gasket



Below are photos of the blocks and heads with matching holes, noting that some of the holes are larger than the head gaskets. They were larger in size to accommodate cleaning the blocks after casting. However, the large rear bottom hole of the 8BA is mostly blocked by the gasket.

59A Block



8BA Block



59A-B Head



8BA Head

