

Tips from the gasket expert

Engine failure – is the cylinder head gasket to blame?

Gas blow-by

Failure of the cylinder head gasket on passenger cars

Damage symptoms:

Sealing web between combustion chambers one and two burnt through.



Cause:

The gasket was not compressed sufficiently in the destroyed section because the specified bolt tightening torque was not observed or the old cylinder-head bolts were used, resulting in gas blow-by. Overheating then destroyed the sealing web.

Other possible causes:

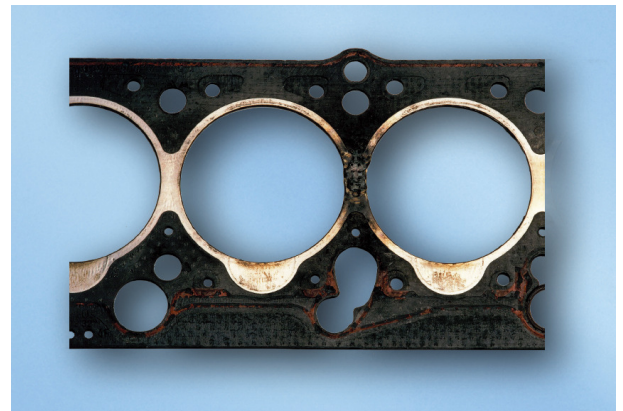
- Engine components not flat; sealing web deformed on the engine block and cylinder head
- Engine not properly adjusted, resulting in overheating.

Measure:

Follow the specified installation instructions closely.

Damage symptoms:

Combustion chamber eyelet and soft material between cylinders three and four scorched. The start of dark discoloration between cylinders three and four.



Cause:

Uncontrolled combustion process lead to overheating and ultimately the destruction of the sealing material.

Measure:

Before installation check injection valves carefully and test for leakage. After installation, check injection adjustment