



Tips from the gasket expert

Engine failure – is the cylinder head gasket to blame?

Overheating of the metal/soft-material cylinder head gasket

Damage symptoms:

The exposed soft materials on the gasket are heavily swollen at the water passages.



Cause:

After installation of the engine, the cooling system was not vented sufficiently. The engine overheated because of excessive coolant temperature. Vaporization led to the swelling of the soft material of the gasket in the area of the water duct, thus separating the soft material of the gasket from the metal carrier.

Other possible causes:

- The function of the cooling circuit was restricted by water pump or thermostat
- Water circulation in the cooling system (e.g. in the radiator) was restricted due to calcium deposits
- Using of coolant which is not authorised by the engine manufacturers

Measures:

After installation, ensure that the air is vented fully from the cooling system.