

Bosch thermal management

Spare parts for components in engine cooling and clima comfort systems

The task of thermal management is to operate components in the optimal temperature range and to create pleasant temperatures for the vehicle occupants. Engine component temperatures, depending on the operating point, can lower both fuel consumption and emissions – and even increase the range of electric vehicles. With electric coolant pumps, solenoid valves and engine cooling fans, Bosch offers an extensive program for workshops.

Solenoid valves for coolant control

Solenoid valves ensure reliable and demand-oriented coolant flow in auxiliary cooling circuits of the powertrain and in heating circuits. Made of high-quality materials Bosch solenoid valves feature a long service life with up to 3 million switching cycles. With a robust and compact design they resist to dirt and leak throughout their entire service life.

Engine cooling fans prevent overheating

Bosch engine cooling fans reliably ensure air flow across the radiator, preventing the vehicle engine from overheating – even at low speeds. They operate at low noise, due to precise adaption to the respective vehicle. Protective functions integrated as automatic shutdown in case of any obstructions, thermal fuse and reverse polarity protection increase the functional reliability.



Bosch spare parts for thermal management

Electric coolant pump ensure circulation

Bosch electric coolant pumps reliably and efficiently support different coolant circuits in both vehicles with combustion engines, hybrid and electric vehicles. A high temperature and vibration resistance provides them with a long service life of up to 30 000 hours. Due to their robust and compact design they operate at a specifically low failure risk.

More about electric coolant pumps in the video



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Cabin blowers

New to the Bosch program are cabin blowers for efficient temperature control of the vehicle interior. The range is continuously expanded.



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Advantages of Bosch quality

- Highly-proven quality due to production in line with OE quality guidelines and high production and testing standards.
- Long service life thanks to the use of high-quality materials
- Comprehensive product range for 12/24-volt applications of different performance classes
- Easy to install due to perfectly fitting connections

