vika®

The spare parts experts of
Volkswagen BMW Mercedes-Benz



150,000 KM
Guarantee

STO
Superior To OE

Additional Water Pump

STO Superior To OE

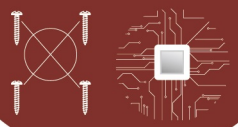
150,000 KM GUARANTEE

Fault symptoms

1. The product is prone to damage due to poor airtightness.
2. The product malfunctions due to overheat of electronic devices.

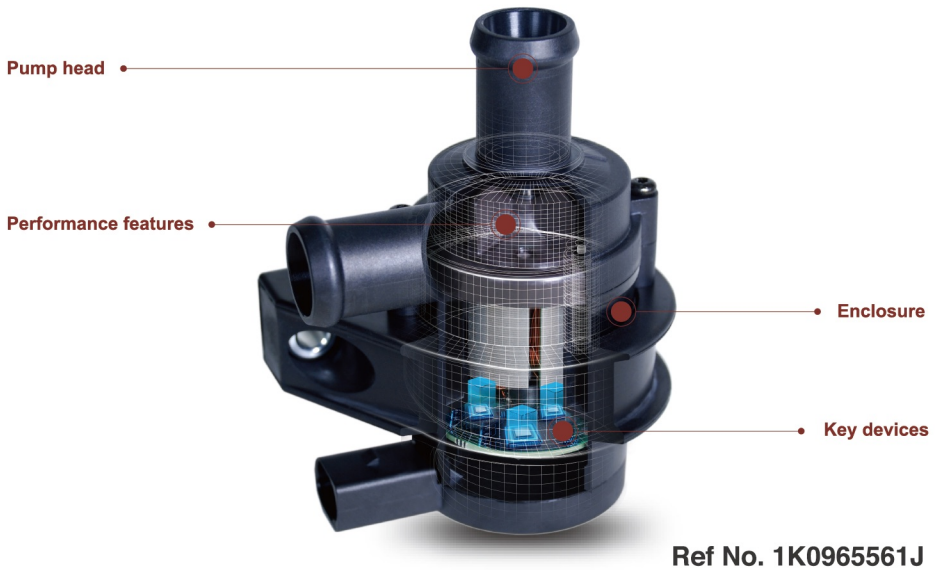
Solutions

1. Use Phillips screws for locking during press fitting.
2. Modify the circuit board design.



Technical improvements

1. The MOS transistors of key devices are evenly distributed with low temperature rise (4K and 8K), low conductance impedance (7.4 mR), and low heat.
2. Key devices are coated with paint highly resistant to moisture, dust, and corrosion.
3. Key devices are provided with through-holes to improve current capacity and interference resistance.
4. The ID of water inlet at pump head is enlarged to Ø14mm，thus leading to higher flow rate and efficiency.
5. The full R-angle transition design for the pump head leads to a pressure resistance level of 2.2 Mpa and high strength.



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	Key devices	Enclosure	Pump head	Performance features
vika	Low temperature rise (4K and 8K), low conductance impedance (7.4 mR), and low heat	PPS+40GF material	The 14 mm ID of the water inlet leads to high flow. The full R-angle transition design leads to high strength and a pressure resistance level of 2.2 Mpa.	High flow, small current, high efficiency
OE	High temperature rise (5K and 8K), high conductance impedance (200 mR), and low heat	PPS+40GF material	With a 13 mm ID of water inlet, the flow is smaller. The 90° design results in lower strength and a pressure resistance level of 1.8 Mpa.	Low flow, large current, and low efficiency