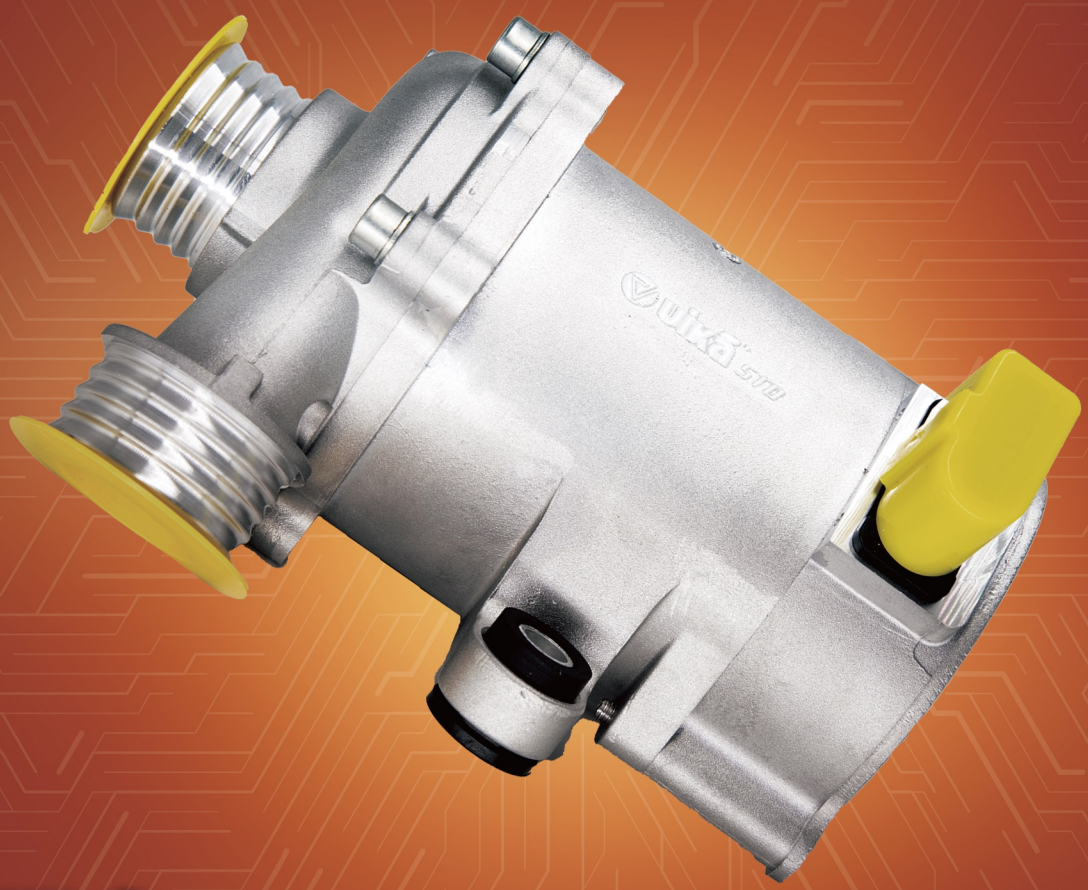
The spare parts experts of
Volkswagen BMW Mercedes-Benz

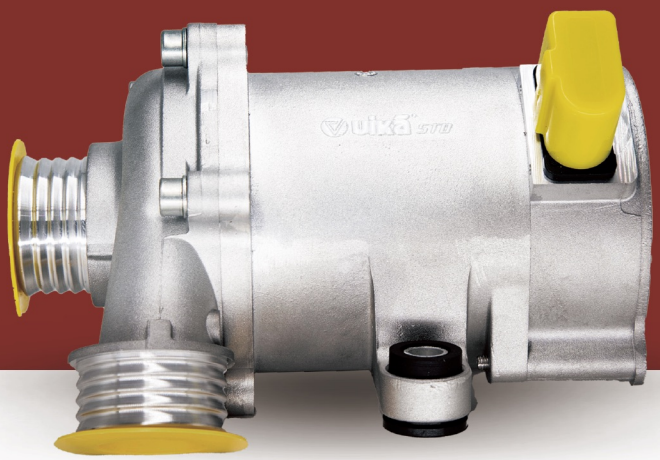


STO

Superior To OE

Electronic water pump

ELECTRONIC WATER PUMP



PCB board

The dedicated IPM（Intelligent Power Module） integrated module improves the overall efficiency by 12%.



OE

The components generating much heat are not reasonably arranged, leading to low overall efficiency of the product.



Stator

The stator motor has no slots. It features low cogging torque, small torque fluctuations, smooth operation, low noise, and a 20% reduction in NVH.



OE

The internal winding structure of the stator results in low winding efficiency and low slot filling rate.



Rotor

The rotor has a small volume and a 4-magnet structure, resulting in more uniform magnetic force and a 5% stronger resistance to demagnetization. It is designed with through-shaft for better concentricity.



OE

The rotor has a large volume and a 2-magnet structure, resulting in uneven magnetic force and weak resistance to demagnetization.

