

Technical Bulletin

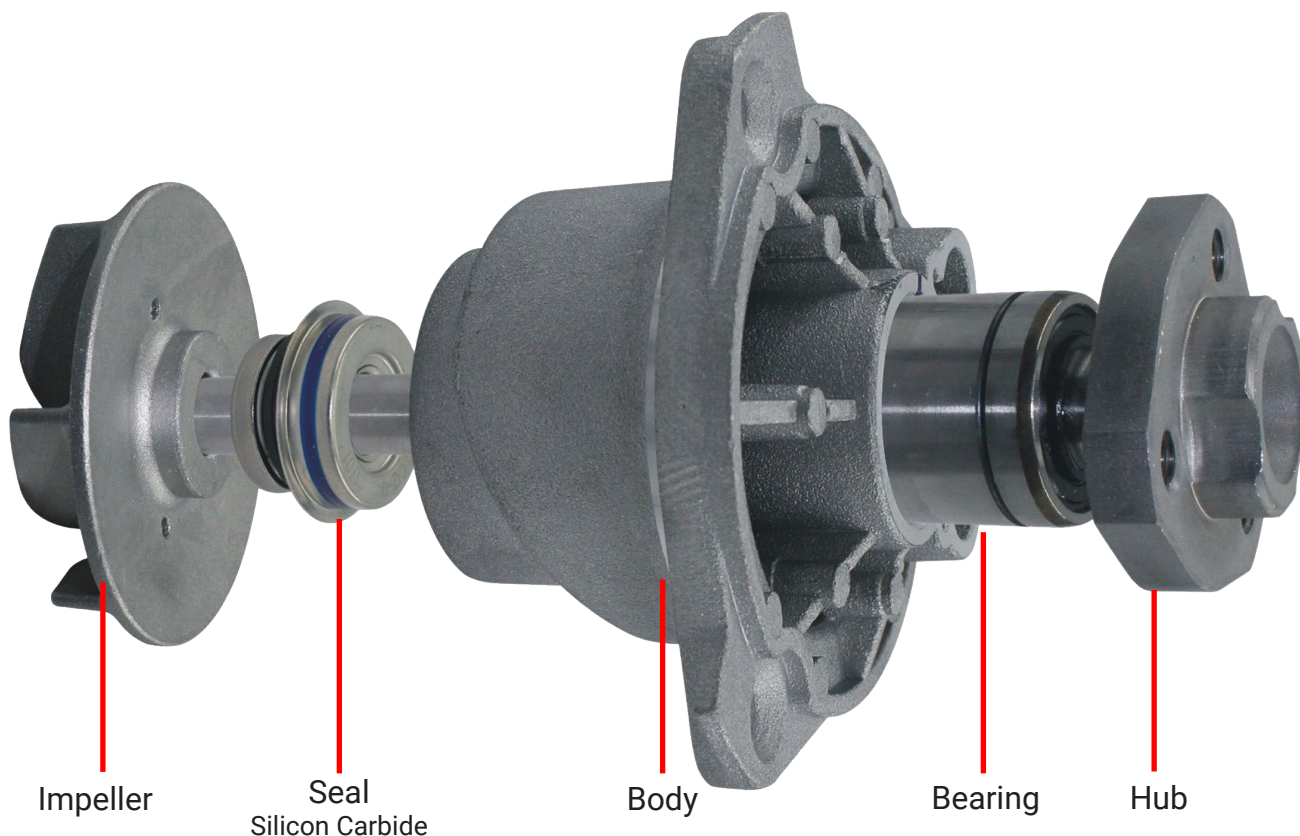
Silicon Carbide Seals

Why it's not a leak on your new water pump.

Cooling system contamination is a contributing factor in the premature failure of water pumps. Contaminants erode traditional seals used in water pump designs which leads to leaking. To improve water pump performance and longevity FAI pumps include a silicon carbide seal (SiC).

Silicon Carbide seals require the addition of coolant and heat to help create the seal. This is only possible when the water pump is installed and the engine is running. It is normal to see a trickle of coolant coming from the breather holes in the casting around the bearing area. This will only last a short time until the permanent seal is made.

Misdiagnosis has seen the unnecessary/premature replacement of new water pumps.



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