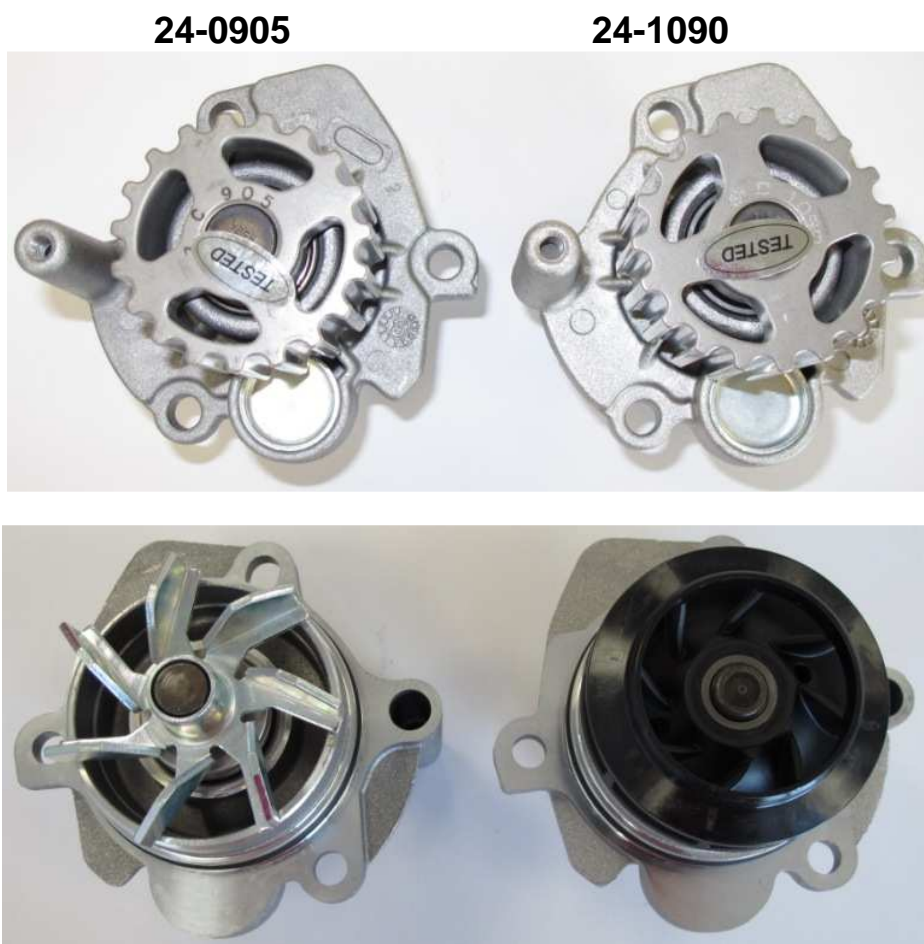


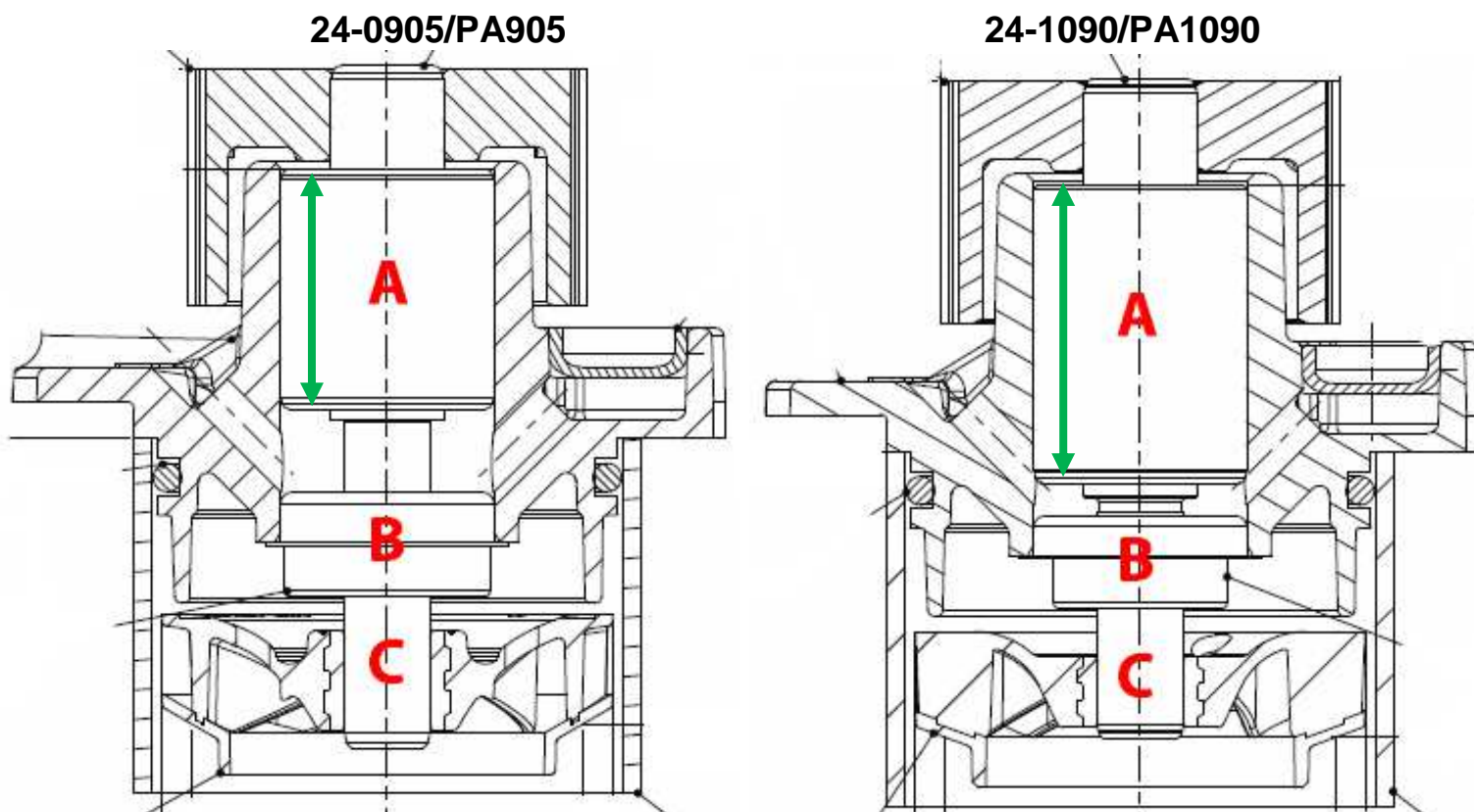
## Confronto tra 24-0905/ PA905 e 24-1090/ PA1090 Comparison between 24-0905/ PA905 and 24-1090/ PA1090

*In the picture here below we focus on the main differences between these two VAG water pumps.*



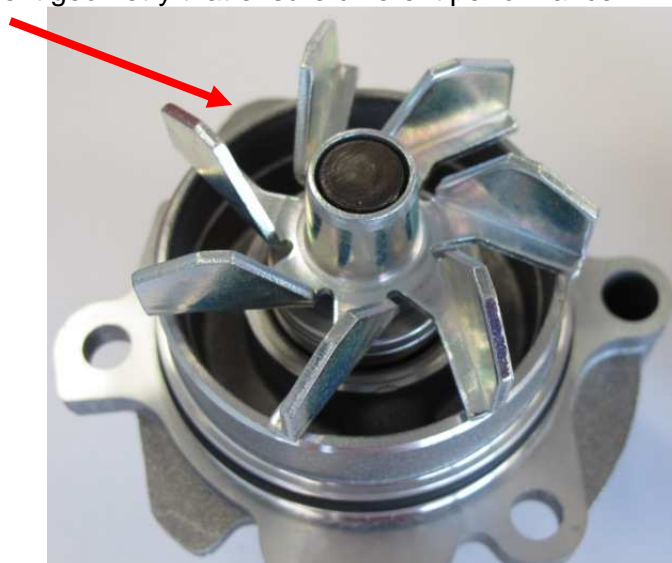
*Pic.1: These two water pumps looks like the same product but they hide different technical components that have influence on the performance of the product during the running condition.*

## THE TECHNICAL DIFFERENCES ARE:



Pic.3: Different parts are equipped on these water pumps

- A) BEARINGS:** the bearing are both Roller-Ball but with different dimension: 24-0905/PA905 the bearing outer ring is shorter (32mm) respect 24-1090/PA1090 (42mm) with consequent different performance during the running condition.
- B) MECHANICAL SEALS:** the sliding surfaces material are different 24-0905/PA905 are made in Hard Carbon Vs Alumina, 24-1090/PA1090 are made in Hard Carbon Vs Silicon Carbide
- C) IMPELLERS:** different geometry that ensure different performance:



Pic.4: 24-0905/PA905: 7 blades impeller with open shape geometry.



Pic.5: 24-1090/PA1090: 8 blades impeller with high performance geometry (blades double curved) that is able to provide higher flow rate respect 24-0905/PA905.

*Metelli Technical Assistance*