



BEST PRACTICE

BMW 316 1.8L / BMW 318 2.0L

N42B18, N42B20, N46B18, N46B18A, N46B20, N46B20A, N46B20B

THE SYMPTOMS

This BMW Power steering pump for this family of engines fits directly to the water pump. The power steering pump transmits the movement to the water pump through a slotted drive system. The Water pump (A) and power steering pump (B), mesh together to form the drive system.

As the drive belt rotates the power steering pump pulley, the rotational movement is passed from this pulley to the shaft of the steering pump, and from this through the previously mentioned slotted union to the water pump shaft. Any wear within the slotted drive system will increase clearance and vibration, exposure to these conditions over time could cause a failure of either pump system.

THE REASON

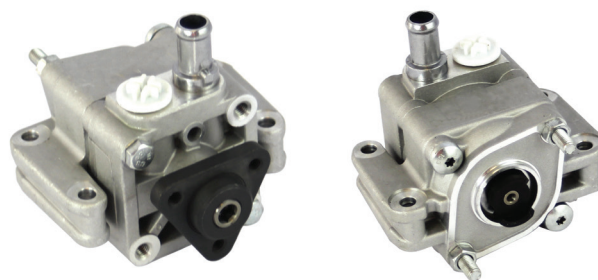
The clearance between the two pumps is critical, as the pumps wear over their lifespan, they will suffer from an increase in clearance which will increase vibration. The increased clearance will mean that system will suffer from excessive moment at critical moments, Acceleration / Deceleration, Start/Stop, causing vibration which will shorten the lifespan of the pumps. The replacement of only one of the pumps will potentially just be a short term fix.

THE SOLUTION

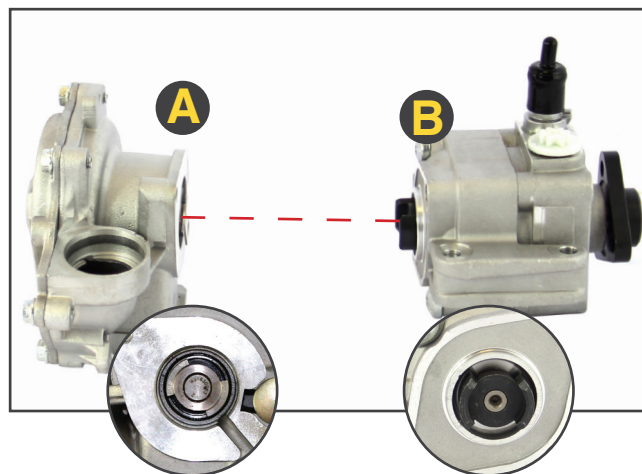
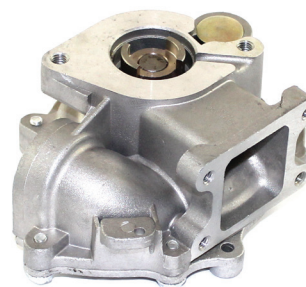
BGA strongly recommend to always replace the water pump and power steering pump together for these applications, in order to retain optimum performance.

As a leading Automotive Pump specialist BGA are able to offer our customers the complete solution. The Water Pump and Power Steering pumps are readily available from our extensive range. At BGA we always strive to promote best practice and offer our customers a one stop solution to a problem.

Power Steering Pump: PSP0910



Water Pumps: CP7140T



BGA products are to be replaced by an experienced automotive installer. This information is to be used as reference only. Always seek manufacturer specification.

