



**PI 1943**  
For technical personnel only!  
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# PRODUCT INFORMATION

## ELECTRICAL COOLANT PUMP (CWA 400)

### FOR BMW VEHICLES WITH PETROL ENGINES (BE) N54 AND N55 (35i MODELS)

Vehicles from BMW's 35i model range with petrol engines (BE) N54 or N55 were equipped with a pump and pump housing made from plastic at the start of serial production.

Vibrations can cause the plastic housing on this series pump to fracture, which can lead to water leakage. In turn, this could result in an electrical short circuit in the electronic components.

This series pump can be replaced with the coolant pump 7.07223.10.0 by Pierburg.

The Pierburg coolant pump eliminates the issues of the original series pump, and thus increases reliability.

The pump also successfully passed an endurance-based field test in which it proved that it can withstand hot climatic conditions for a long stretch of time.

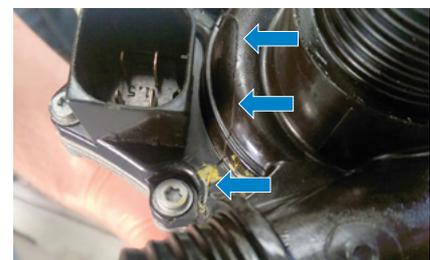
The housing is made from aluminium and designed to minimize noise, which makes for a more pleasant driving experience.



Ref. no.*	Pierburg no.	OEM	Vehicles	Engine
11 51 5 A05 704, 11 51 9 455 978, 11 51 7 632 426, 11 51 7 588 885, 11 51 7 568 594, 11 51 7 563 659	7.07223.10.0	BMW	1, 3, 5, 6, 7, X3, X5, X6, Z4	N54, N55

#### CHARACTERISTICS

- Increase in reliability
- Improved pump housing design, made from aluminium
- Motor housing with vibration dampers, making it quieter and more robust
- Higher quality steel screws in scope of delivery
- Validated in test lab
- Successfully tested in extreme climatic conditions



Potential issue with the series pump: plastic housing can fracture.

All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.

\* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.



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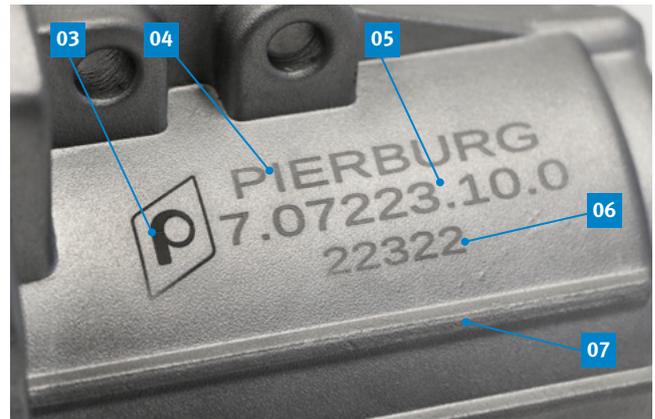
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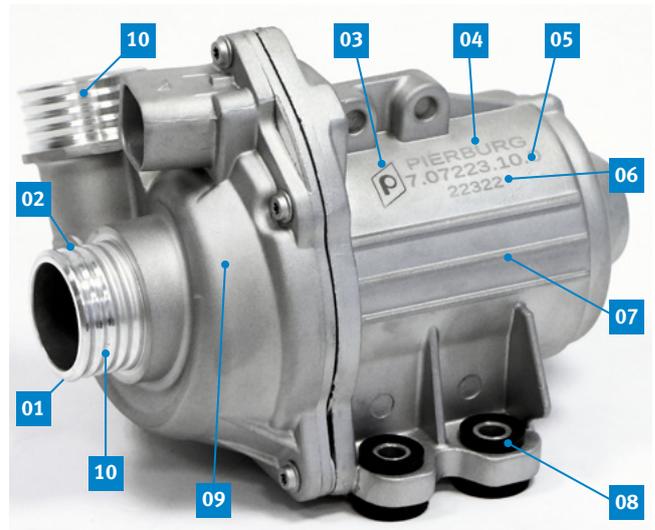


Pierburg is the pioneer and leading manufacturer of electrical coolant pumps, with decades worth of experience, so you can put your trust in us.

### IDENTIFICATION FEATURES



- 01 Pierburg lettering on the pump housing
- 02 Pierburg logo on the pump housing
- 03 Pierburg logo on the motor housing
- 04 Pierburg lettering on the motor housing
- 05 Item number 7.07223.10.0
- 06 Production code
- 07 Stiffening rib
- 08 Vibration damper
- 09 Pump housing made from aluminium with integrated connector plug, designed to optimise flow
- 10 Connecting tubes mechanically processed for optimised sealing effect



### ADVANTAGES OF ELECTRICAL COOLANT PUMPS

- Independent of engine speed
- Need-based feed and cooling
- Reduced fuel consumption and pollutant emissions
- Faster heating during cold starts
- Prevention of hot spots thanks to after-running after switching off the engine



Installed in the vehicle