



FAG Service Info



Installation instruction 713 6678 20

Additional race to protect the shaft seal

Manufacturer: Mercedes Benz

Models: A207, A209
C204, C207, C209, CL203
R171, R172
S203, S204
W203, W204

Part No.: 713 6678 20

For current listing refer to parts catalogue

The design of the radial shaft seal from FAG WheelSet 713 6678 20 has been changed and now includes an additional sleeve (Fig. 1).

The reason behind this change is that the contact surface between the stub axle and the shaft seal corrode over time. Moisture can penetrate into the wheel bearing as a result, thereby leading to premature failure.

During installation, the new sleeve used in the radial shaft seal is slipped on over the damaged area, thereby protecting the seal lip against damage by the corroded stub axle.



Fig. 1: Radial shaft seal with additional sleeve



Fig. 2: FAG WheelSet 713 6678 20

The prerequisite for this repair method is that only slight corrosion is found on the stub axle after removal of the wheel hub. That area can be cleaned with conventional workshop supplies.

If the stub axle shows very heavy signs of corrosion in the seal contact area, the complete steering knuckle must be replaced.

The sleeve is pre-installed in the radial shaft seal. It must not be removed under any circumstances and is slipped onto the steering knuckle together with the wheel hub!
When the front wheel hub is removed, the sleeve (if present) usually separates from the radial shaft seal and must be removed separately from the steering knuckle stub axle.

Please observe the vehicle manufacturer specifications!

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