



Cam Bearing Caution on Mercedes Benz OM 900 Series Diesel Engines

The AERA Technical Committee offers the following information on a cam bearing caution for the OM 900 series diesel engines. This caution expressed should be considered anytime engine disassembly is anticipated or an estimate for repair is being done. It is important to note that the Detroit Diesel Corporation also markets these engines under the MBE900 Series label.

The original camshaft bearings for these engines are a semi-finish design, which means the bearing inside diameter was machined for the oil clearance after bearing installation. While this is somewhat common with industrial engines, it adds an additional expense to an engine rebuild if the original bearing design is used. Realizing that fact may be helpful before cam bearing removal.

Aftermarket bearing manufacturers are currently supplying only a finished inside diameter bearing design Part numbers SH-2182S or SH-2204S. The dimensions are similar for both bearing sets and the SH-2182S has a single oiling hole in the front bearing and the SH-2204S has two oiling holes in the front bearing.



Figure 1. SH-2182S Cam Bearing Set

<u>Bearing Set Part #</u>	<u># of Front Holes</u>	<u>Bearing ID</u>
SH-2182S	One	2.6771-2.6783" (68.000-68.030 MM)
SH-2204S	Two	2.6771-2.6783" (68.000-68.030 MM)

The SH-2204S bearing set is used on later serial number engines for additional engine oiling. This bearing set could be used on earlier serial number engines, but the earlier bearing set cannot be used on the later serial number engines or engine damage will result.