

**Thank you for choosing this
Mercedes-Benz engine.**

Make sure that you read the Operating Instructions before using the engine for the first time. This will help you to make optimum use of the engine and avoid endangering yourself and others.

Since the scope of delivery varies depending on each specific order, the equipment of your engine may differ from certain descriptions and illustrations in these Operating Instructions. These Operating Instructions also describe items of optional equipment where their operation requires explanation.

DaimlerChrysler reserves the right to make changes to design, equipment and technology. You cannot, therefore, base any claims on the data, illustrations or descriptions in these Operating Instructions.

Your nearest Mercedes-Benz Service Centre will be happy to assist you further should you have any more queries.

The Operating Instructions and Maintenance Booklet are an integral part of the engine. You should therefore always keep them with the engine and pass them on to the new owner if you sell it.

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Before commissioning

General information

Transport and installation

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FAME fuels

The OM 501 LA and OM 502 LA engines are suitable for operation with FAME fuel (bio-diesel fuel) complying with EN 14214.

The following effects arise from operation with FAME fuel:

- slight increase in fuel consumption
- slightly reduced engine power output
- increased white smoke development after a cold engine start

Before operation with any FAME fuel, a Mercedes-Benz Service Centre **must be consulted** to clarify the precise procedures for use (e.g. maintenance intervals).

Observe the following points for operation with FAME fuel:



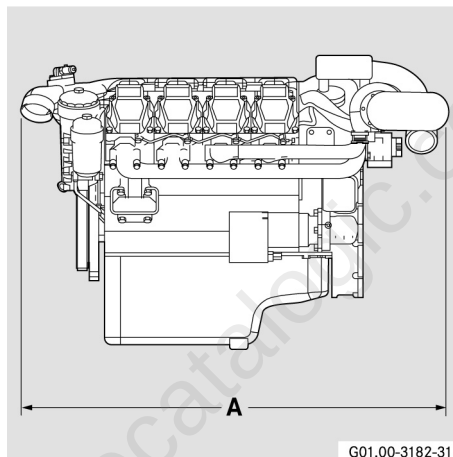
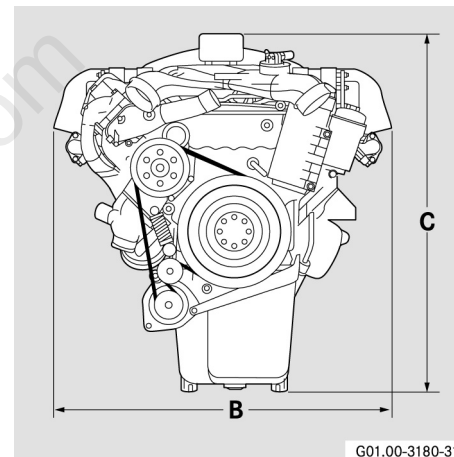
- The fuel filter and engine oil filter must be replaced approximately 200 operating hours following conversion to FAME fuel.
- The oil and fuel filter must be replaced with every engine oil change.
- FAME fuels reduce the service life of a conventional fuel filter.
- The engine oil change and filter replacement intervals are significantly reduced. The engine oil change and filter replacement must be carried out at least once a year.



- Only use FAME fuels complying with EN 14214. Special additives are not permitted. The use of fuels that do not comply with the EN 14214 standard or the addition of special additives may lead to malfunctions or damage to the engine.
- FAME fuels attack painted surfaces. Immediately rinse off the FAME fuel with water before it has time to react with the paintwork. Use only engine oils complying with Mercedes-Benz Specifications for Service Products sheet number 228.5 or 228.3.

Technical data**Engine data****OM 502 LA
(2 turbochargers)**

A = Engine length	1,500 mm
B = Engine width	1,195 mm
C = Engine height	1,080 mm

**OM 502 LA (2 turbochargers)****OM 502 LA (2 turbochargers)**

Full Version Available

Mercedes-Benz BR 457, BR 500 and BR 900 Engine Operator Manual

Mercedes-Benz BR 457, BR 500, BR 900 engine operator manual covering safe operation, daily checks and care. Searchable PDF. Instant PDF download.

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