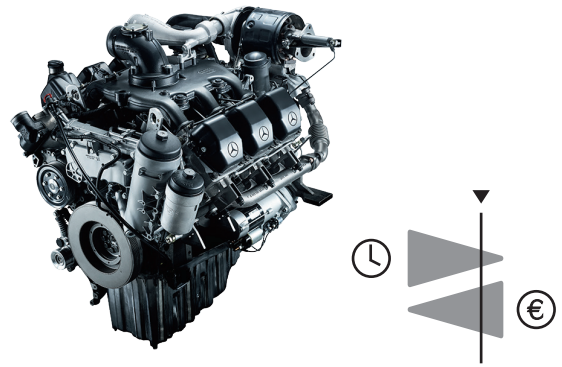


Complete engine – the all-round package.

- Plug-and-play to reduce downtimes.
- A worthwhile investment if the vehicle is to deliver maximum availability for a long time to come.
- For maximum and longest vehicle availability.



At a glance

Package contents

Genuine Remanufactured complete engine, consisting of:

- Air compressor
- Control unit with updated software
- Engine wiring harness
- Exhaust manifold
- Flywheel
- Power steering pump
- Starter (for OM457 and OM500)
- Turbocharger
- Vibration damper
- Water pump

Vehicle and engine model series

- Atego, Axor, Antos, Arocs, Actros, Econic, Zetros, Unimog, industrial engines
- Engine series: OM457, OM500, OM900, OM93X, OM47X

Warranty

Up to 2 years warranty (only in selected markets).

Please check the detailed information about product contents in VeDoc/EPC, or contact your Mercedes-Benz Partner. The pictures and product contents are shown as examples.

Advantages

Availability – rapidly back on the road

- **Plug-and-play:** Extensive package contents with preassembled components and optimum dimensional accuracy ensure short downtimes: It is only necessary to remove the old engine and install the new one.

Cost advantage – replacement on a tight budget

- **Reduced downtime costs** as the vehicle is ready for use as quickly as possible.
- **Potential savings in fuel consumption and other operating fluids** as the engine operates more efficiently thanks to the control unit with updated software.
- **Prefilling of oil saves money after engine replacement:** the break-in engine oil is a prefilled, special Mercedes-Benz mixture.
- **The high rate of reuse for old parts helps to keep the price of Genuine Remanufactured Parts attractive,** for example the twin-wire arc spray coating process which restores the crankcase to its original dimensions.

New parts or new part standards – fitness program for your engine

- **Very smooth running** as all rotating parts such as the flywheel and crankshaft are precisely balanced to the current technical standard of new parts.
- **The flywheel and camshafts are of the highest quality** as these components are reworked in new parts production and already have sufficient allowance for wear for a “second lease of life”.
- **Great reliability and durability** as all wear parts and small parts are replaced with Mercedes-Benz GenuineParts, e.g. lines and bearing shells subject to pressure loads. The hardened outer skin of cylinder heads is restored to the original condition by induction hardening.

- **Compliance with emissions regulations and improved durability,** e.g. rigorous replacement of valve guides and reworking of valve seat rings to new part dimensions.
- **Full functionality and durability are ensured, and consequential damage is prevented,** as obviously functioning parts such as vibration dampers are always subjected to function and dimensional checks, and if necessary replaced with new parts.

Cleaning and examination – carefully cleaned and tested

- **All functional surfaces are carefully cleaned using eco-friendly cleaning agents. This also reveals any hidden damage.** Components that are particularly hard to clean, e.g. the crankcase, are cleaned in a multi-stage industrial process and inspected. This is to prevent consequential damage such as bearing seizure caused by residual soiling.
- **Gentle cleaning processes protect the parts and increase their operating life,** e.g. parts with sensitive electrical contacts such as control units and sensors are cleaned with dry ice.
- **Highly sensitive test procedures to remain within series production tolerances** of a few micrometers. When reprocessing crankshafts, for example, it is necessary to achieve a spherical accuracy between 2 and 4 µm at the main and conrod bearings.
- **Optimum break-in for the engine to ensure a long operating life** by a pressurized oil filling before the engine test run. This ensures that all components receive optimum lubrication right from the first crankshaft revolution.
- **Compliance with statutory emission levels and fuel efficiency are assured,** as the engines are optimally tested and adjusted for output, torque, fuel consumption and emission levels on high-tech in-house test rigs.
- **Improved long-term corrosion protection and greater perceived value** thanks to a complete paint finish after the engine test run.