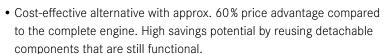
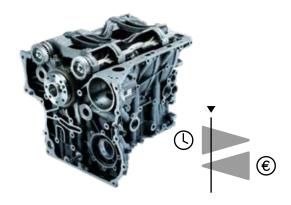
Short block - the low-cost option.







At a glance

Package contents

- Piston
- Crankshaft
- · Connecting rods
- · Cylinder crankcase
- · Various small parts

Vehicle and engine model series

- · Sprinter, Vito, Viano
- Engine model series: OM646, OM651

Warranty

2-year warranty - may vary by country.

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

Advantages

Availability - rapidly back on the road

- · Reduced downtimes thanks to prompt availability.
- Secure delivery in a special transport box.

Cost advantage - replacement on a tight budget

- Approx. 60% lower costs compared to replacing the entire engine since engine components such as cylinder head, injection and all detachable components that are still functional are reused.
- Attractive offer for price-sensitive customers with their own workshop.

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

- Excellent smooth running characteristics since all rotating components are finely balanced corresponding to the current technical status of new parts, e.g., crankshaft and camshaft.
- High reliability, leak tightness and durability since all wear parts and small parts are replaced with Mercedes-Benz GenuineParts, e.g., seals, bearing shells and pistons. The result is:
- Less friction on pistons and shafts ensures optimum smooth running characteristics, efficient fuel consumption and engine leak tightness.
- Compliance with emissions regulations and improved longevity because valve guides are always replaced and valve seat rings are reworked to the dimensions of the new part.

Cleaning and examination - carefully cleaned and tested

- All functional surfaces are carefully cleaned with environmentally friendly cleaning agents. This also reveals any hidden damage.
 Components that are especially difficult to clean such as the crankcase are cleaned in a multistage industrial process and checked for cleanliness. Advantage: Consequential damage from "bearing seizures" resulting from dirt is avoided. Performance and fuel consumption reach the level of a new engine.
- Detection of micro-damage on highly stressed components using a special crack test procedure with fluorescent magnetic powder. This ensures longevity of the repaired engine parts.
- Highly sensitive test procedures in order to comply with production tolerances in the area of $\mu\text{--}meters$. While remanufacturing cylinder crankcases and crankshafts, the spherical shape of the piston ring on the main bearing and the connecting rod bearing must be between 2 and 4 μm .