Basic Engine –
the perfect balance.

- Perfect balance between rapid repair and attractive part price: approx. 30% price advantage compared to the complete engine.
- Including cylinder head, injectors, high pressure pump, vacuum pump and water pump.
- Reduced downtimes because the engine does not have to be assembled from individual components.

**At a glance**

**Package contents**
- Injectors
- Piston
- Crankshaft
- Camshaft
- Oil separator (OM651)
- Oil pump
- Oil spray nozzles
- Oil pan
- Connecting rods
- Vacuum pump (OM651)
- Water pump (OM651)
- Cylinder head with preassembled valves
- Cylinder crankcase
- Various small parts
- High-pressure pump (OM651)
- Vibration damper (OM646)

**Model series**
- OM646, OM651, OM607, OM622, OM626 and the majority of our gasoline engines.

**Warranty**
- 2-year warranty – may vary by country.

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

**Advantages**

**Availability – rapidly back on the road**
- Quick replacement solution for severe engine damage such as crankshaft damage where the cylinder crankcase, the cylinder head and the injectors are damaged.
- Quick installation possible because they are delivered in a special transport container with valves and cylinder heads that are already preassembled.
- Drastically reduced non-operational times thanks to prompt availability because the engine does not have to be assembled from individual components.

**Cost advantage – replacement on a tight budget**
- Attractive offer for price-sensitive customers who are looking for a perfect balance between quick repair and low-cost offer.
- 30% lower costs compared to installing a complete engine by reusing all detachable components that are still functional.
- Considerable savings potential in case of more serious engine damage (crankshaft damage, damaged cylinder head or defective injectors) by reusing all detachable components that are still functional.

**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 and durability since all wear parts and small parts are replaced with Mercedes-Benz GenuineParts, e.g., seals, bearing shells and pistons.
- Less friction on pistons and shafts ensures optimum smooth running characteristics, efficient fuel consumption and engine leak tightness.

**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 µ-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.
- Legal emission levels and efficient fuel consumption: Each Genuine Remanufactured Engine is checked on high-tech company test stands with regard to output, torque, fuel consumption and compliance with statutory emission levels.
- Improved long-term corrosion protection and high-end appeal because the complete engine is painted after the test run.