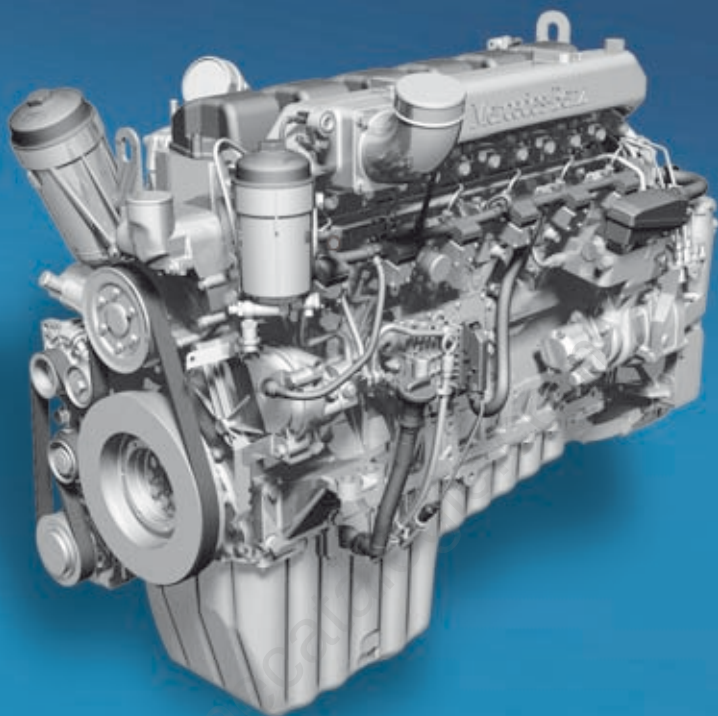




OM 457 LA BlueTec[®] / OM 457 LA OM 460 LA BlueTec[®] / OM 460 LA

Operating Instructions



Mercedes-Benz

Safety precautions 26

Staff qualifications 26

Organisational measures 26

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- Check the poly-V-belt condition regularly.
- Replace the poly-V-belt concerned immediately if there are any signs of damage.

Special tool

Cranking device: 904 589 04 63 00

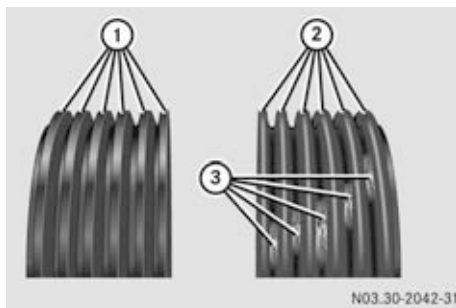
(▷ page 60).

Checking the poly-V-belt.

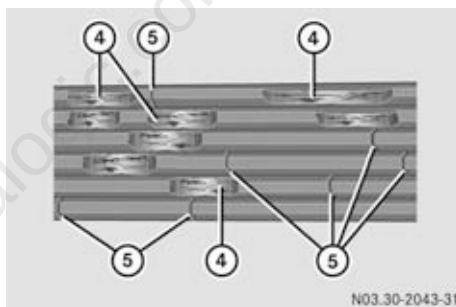
- Fit the cranking device to the flywheel housing inspection hole. Tightening torque: 25 Nm.
- Make a chalk mark on the poly-V-belt.
- Check the poly-V-belt for damage section by section; to do this, turn the engine or poly-V-belt gradually using the cranking device until the chalk mark is reached again.
- Remove the cranking device.
- Screw the cap into the inspection hole in the flywheel housing and tighten. Tightening torque: 25 Nm.
- **Replace the poly-V-belt:** (▷ page 94).

Patterns of damage

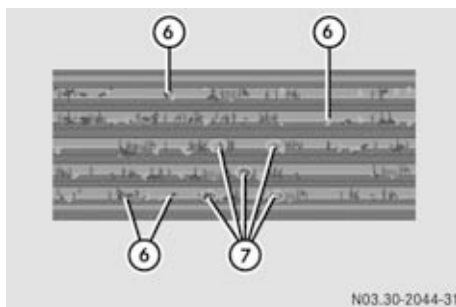
- ❗ Replace the poly-V-belts if one of the following damage patterns occurs on the poly-V-belt.



- ① New condition (for comparison; trapezoidal ribs)
- ② Single-sided wear: wedge-shaped ribs
- ③ Cord visible at the base of the belt



- ④ Breaks in the ribs
- ⑤ Transverse cracks in several ribs



- ⑥ Rubber nodules at the base of the belt
- ⑦ Deposits of dirt or stones



The engine data card describes the scope of delivery from the Mercedes-Benz factory. Later changes to the scope of delivery are not recorded on the data card.

Conversion parts on the engine which change the scope of the engine delivered by Mercedes-Benz must be recorded on the data card.

In order to prevent incorrect ordering of replacement parts, the Mercedes-Benz replacement parts service must also be informed.

Engine data

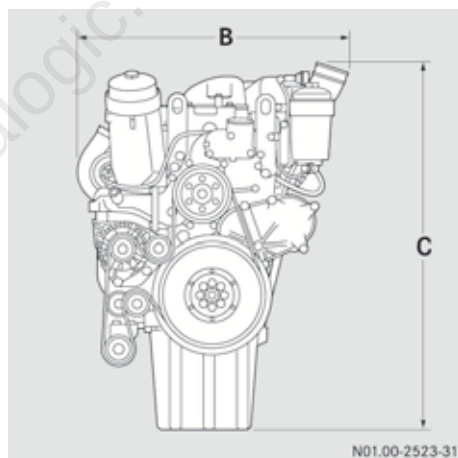
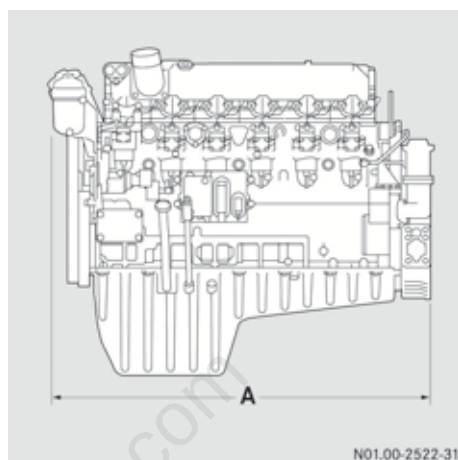
Dimensions and weights

All data refers to the standard version of the respective engine type. Deviations may occur, depending on the installation situation in the vehicle/equipment.

Weights

	OM 457 LA	OM 460 LA
Dry engine maximum	930 kg	930 kg
Wet engine maximum	980 kg	980 kg

Dimensions



	OM 457 LA	OM 460 LA
A = engine length	1320 mm	1320 mm
B = engine width	750 mm	750 mm
C = engine height	1115 mm	1115 mm

Full Version Available

Mercedes-Benz OM 457 LA Engine Operator Manual

Mercedes-Benz OM 457 LA engine operator manual, covering safe operation, daily checks and care. 108-page English PDF. Instant PDF download.

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