Engine.

Practical hint Product The advantages for your customers The advantages for you V-belt and Precisely adapted to auxiliaries such as alternator, The Mercedes-Benz genuine poly-V-belt water pump and air conditioning compressor. has a service life of at least 90,000 km belt drive system. (on regular conditions), enough to take Exceptionally low noise and a Mercedes-Benz around the world avoidance of squealing. more than twice. dvantages of AGM technology: Starter battery. The Mercedes-Benz genuine starter battery • AGM stands for Absorbent Glass Mat. gives your customer a high-quality product that In this battery, a glass fibre fleece is Fully maintenance-free is ideally adapted to the vehicle's energy saturated with sulphuric acid. Compared high-performance product requirements and can be stored for longer than to conventional car batteries, there is with a long service life. Exceptionally good cold-start properties. conventional IAM batteries. no fluid which could leak out in the event of an accident, for example. highly equipped cars. • The AGM batteries are ideal for highly equipped cars or vehicles and a start/stop function. • 100 % tilt- and leak-proof. Advantages of lead-calcium-silver technology: Greater stability when subjected to frequent short



Products bearing this symbol were subject to a competitive comparison. A selection of the test results can be found on the following pages.

Product The advantages for your customers The advantages for you High-quality component structure thanks to the use of extremely resistant and durable materials. The advantages for you Figure 1. High-quality component structure thanks to the use of extremely resistant and durable materials. Effective, environmentally friendly combustion. Figure 2. Specifically developed and tested for each Mercedes-Benz engine type.

Glow plugs.

Help ensure a fast engine start and an effective, environmentally compatible warm-up phase.



- Mercedes-Benz glow plugs reduce the risk of sooting as the ideal operating temperature is reached quickly
- Specifically developed and tested for each Mercedes-Benz engine type.

Silencers.

Extremely high level of sound attenuation without impairing the engine output.



- Long service life and therefore highly econo
- Specifically developed and tuned for Mercedes-Benz vehicles.
- Complex and stable structure thanks high-quality V2A stainless steel.
- Mercedes-Benz genuine silencers are an ideal fit for our Mercedes-Benz models and therefore ensure short repair times.

Mercedes-Benz GenuineParts | Maintenance and wear & tear

Competitive comparison: starter battery (AGM technology).

Original vs. competitor.

Vehicles these days are being fitted with more and more electrical and power-intensive consumers such as assistance systems and entertainment products.

While these enhance comfort and convenience, they also add to the demands placed on the battery. The independent, DEKRA-approved testing laboratory Prüflabor Batterieingenieure GmbH from Aachen was contracted by Mercedes-Benz Group AG to test the Mercedes-Benz genuine starter battery (A 001 982 82 08) against five comparable competitor products from Germany and the USA.

The conclusion: the Mercedes-Benz genuine starter battery impressed in all tests.

A summary of the results can be found here:

PRE-TESTS

- Capacity test 1 (as delivered)
- Cold-crank test 1
- Capacity test 2
- Cold-crank test 2
- Capacity test 3/reserve capacity test
- Cold-crank test 3

SERVICE LIFE

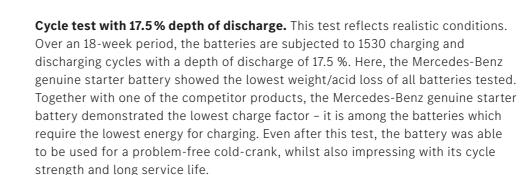
- Cycle test with 50 % depth of discharge
- Cycle test with 17.5 % depth of discharge

PERFORMANCE/POWER

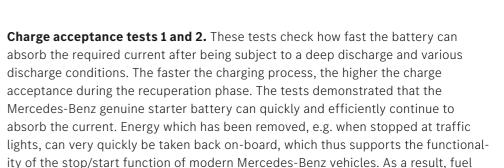
- Charge acceptance test 1
- Charge acceptance test 2

Preliminary tests. The preliminary tests were used to establish whether the actual battery data measured matched the figures quoted by the manufacturer (capacity and electrical current). The Mercedes-Benz genuine starter battery had a better current capacity as delivered than the majority of the third-party batteries and thus, generally speaking, a greater starting capacity. Even over time (after 10 and 30 seconds of testing), it still demonstrated a good current capacity as delivered. The battery has sufficient power to start the engine. In terms of the reserve capacity measurement, the Mercedes-Benz genuine starter battery exceeds the intended discharge time by around 25%.

Cycle test with 50 % depth of discharge. After a deep discharge over several days and recharging to 50 % of the charge state, this tough test then subjects the battery to 360 recharging cycles. This tests how often the battery can be discharged to a level of 50 % and recharged. Only two of the tested batteries were able to pass this test – among them, the Mercedes-Benz genuine starter battery. In the comparison, it demonstrated the lowest charge factor and thus the lowest loss during charging. In the subsequent cold-crank test at -18° C, its high voltage of more than 9 V was particularly impressive. With this, it can easily handle a cold-crank. The Mercedes-Benz genuine battery has a high charge throughput. It is robust and able to withstand numerous cycles. It demonstrates a high service life which fully corresponds to the company-internal requirements at Mercedes-Benz; its service life is also longer than some of the tested competitor products.







*In the case of vehicles with short-distance drivers, up to 40–140 euros per year and in the case of vehicles which cover long-distance drivers, as many as 80–280 euros per year. Calculated as follows: short-distance drivers – 15,000 km/year, long-distance drivers – 30,000 km/year; average price of petrol – 1.35 euros/litre; fuel saving of 0.2 l/100 km with start/stop function for a 4-cylinder petrol engine with manual transmission; fuel saving of 0.7 l/100 km with start/stop function for a 6-cylinder petrol engine with automatic transmission according to NEDC with 20 % standstill.

Advantages of the Mercedes-Benz genuine starter batteries:

can be saved here.*

- Makes ample power available to the vehicle and is a reliable source of power even at low temperatures
- Higher cycle strength and service life due to advanced technology
- Ideally suited for both short and long-distance journeys
- Optimum acceptance of charge and thus lower fuel consumption for vehicles with start/stop function and regenerative braking*.
- Outstanding performance for powerful engines and vehicles equipped to a high specification
- deally suited to the energy requirements of the specific vehicle

