

A. Unleaded "premium" and "regular" fuel

Vehicles fitted with a catalytic converter must only be operated with unleaded fuels.

Minimum anti-knock quality

Premium gasoline

DIN 51607-S unleaded 95 RON/85 MON

Regular gasoline

DIN 51607-N unleaded 91 RON/82,5 MON

The engines are designed to operate on unleaded premium quality fuel of at least 95 RON/85 MON (exception: engine 103.980 Std. is designed to run on leaded premium grade fuel RON 98/MON 88).

If the engine is operated continuously with unleaded regular grade fuel (engine 103.980: if unleaded premium grade fuel is used), the ignition timing must be retarded by using a suitable resistance trimming coupling to ensure knock-free operation (see 15-0520).

Slight deterioration in fuel consumption and engine performance occurs when the ignition timing is retarded.

B. Unleaded "premium plus" fuels

This fuel is standardized in conformity with DIN 51 607 with a minimum RON of 98 and MON of 88. It can be used for all Mercedes-Benz vehicles with gasoline engines.

Ignition timing

The correction to the ignition timing which was necessary on vehicles which are operated with unleaded premium or regular grade fuel, does not need to be required if "premium plus" fuel is used at all times.