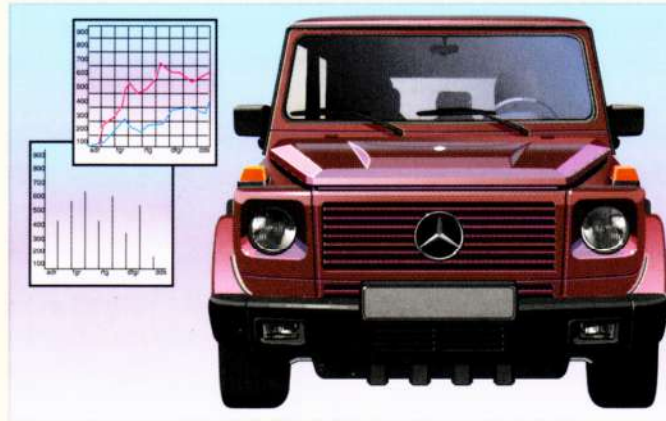




Mercedes-Benz



Technical Data and Service Products

Owner's Manual G-class

Before you drive your Mercedes-Benz for the first time, please familiarise yourself with its various features and with the controls.

This is the purpose of your Owner's Manual.

The section entitled **Technical Data and Service Products** summarises important technical details of your vehicle, the section headed **Interior** gives information about all the controls **inside the interior**, the section headed **Exterior** describes all the controls **which are not in the interior**, while section entitled **Driving** provides driving tips and practical advice. Other instructions may also be supplied, depending on your car's equipment.

As the car's equipment may vary depending on the options ordered with it, certain descriptions and illustrations may be different. In addition, the manufacturer reserves the right to respond to ongoing technical progress by introducing changes in design, equipment and technical features at any time.

Accordingly, no claims will be accepted on the basis of the data, illustrations or descriptions given in this Owner's Manual.

If your vehicle has certain items of equipment not illustrated or described in these operating instructions, or if you have any questions after reading this Owner's Manual, any Mercedes-Benz Service Station will gladly provide further information.

The Owner's Manual and the Service Booklet should always be kept in the car. If you have any suggestions regarding the Owner's Manual or Service Booklet, you are welcome to forward them to the address stated below. However, you must please appreciate that we are unable to include every suggestion, nor are we able to reply to every suggestion we receive.

The customer documentation team of Daimler-Benz AG,
VSE/IA, Stuttgart (Germany), Fax No. +49-711-17-83427, wishes you safe and pleasant motoring.

Contents

Mercedes-Benz original parts	2	Fuel tank	9
Vehicle identification plates	4	Vehicle weights (kg)	
Vehicle data cards	6	G300 Turbodiesel	10
Technical data	7	Vehicle weights (kg)	
Service products – capacities	8	G320	11
Engine and oil filter	8	Fuels for diesel engines	12
Cooling system with heater	8	Fuels for petrol engine	14
Brake system	9	Engine oil consumption	14
Differential lock mechanism	9	Roof load	14
Windscreen washer system		Literature	17
and headlamp cleaning system	9	Editorial office	17


Mercedes-Benz original parts

We recommend that you use only genuine Mercedes-Benz replacement parts and conversion parts and accessories which have been expressly approved for your vehicle type.

These parts have been subjected to strict testing, which confirms their reliability, safety and specific suitability for Mercedes-Benz vehicles.

Despite continuous market observation, we cannot assess or accept responsibility for other products, even in cases where approval or an officially recognised permit have been issued.

Therefore only use original Mercedes-Benz parts.

 To ensure cost-effective repairs in accordance with sound recycling principles, Mercedes-Benz also supplies reconditioned assemblies and parts to the same high quality standards and with the same warranty as new components.

In Germany and various other countries, certain parts (for instance parts relevant to safety) are only officially approved for installation or conversion work if they comply with valid legal stipulations. These regulations are assured to be satisfied by Mercedes-Benz original parts.

If other parts which Mercedes-Benz has not tested and approved are used, the vehicle's general operating permit may be invalidated.

Mercedes-Benz original parts and approved conversion parts and accessories are available at any Mercedes-Benz Service Station.

Your Mercedes-Benz Service Station will also advise you on permissible technical modifications and, of course, they will carry out this work professionally.

When ordering original parts, always quote the vehicle identification number and the engine number. Refer to the car's data card in the **Service Booklet** or "Vehicle identification plates" on page Page 4.

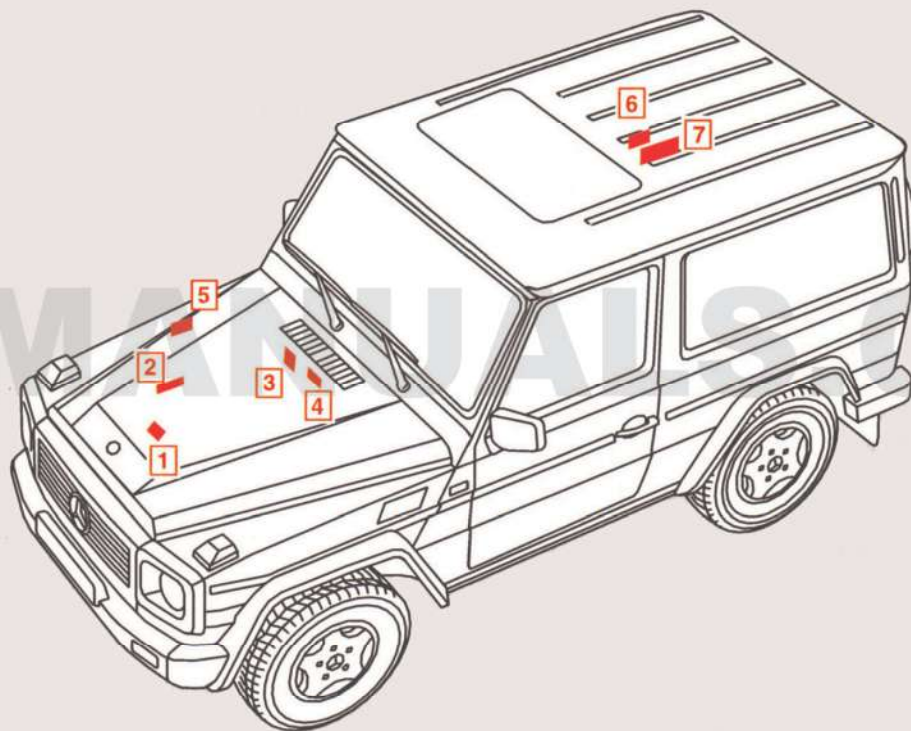
In particular, work which involves the engine electronics and the associated components such as actuators, sensors and connectors should only be performed by a Mercedes-Benz Service Station. Otherwise, there is a risk of increased wear on vehicle components, loss of warranty cover by Mercedes-Benz or even invalidation of the vehicle's general operating permit.



Risk of accident!

Work involving the engine's electronics or the associated components which has not been approved by Mercedes-Benz can affect driving safety.

Vehicle identification plates



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- 1 Engine data plate (diesel):
On the top front of the cylinder head
- 2 Engine data plate (petrol engine):
On side of cylinder head, centre right
- 3 Type plate
On the top of the fan shroud, front right
- 4 Body plate:
On the top of the fan shroud, front left
- 5 Vehicle ident. no.:
On the chassis under the wheel arch, front right
- 6 Fuel tank plate:
In the fuel filler flap
- 7 Tyre pressure plate:
In the fuel filler flap

The diagram shows a data card with a header section at the top and a large grid section below it. The header section contains a large red number '2' in the top left corner, followed by a series of horizontal lines and vertical bars. The grid section is a large rectangular area with a grid of cells, likely for recording data.

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Vehicle data cards

The vehicle data cards contain all the important data regarding your car.

Data card no. 2

Can be found in the Service Booklet.

The vehicle reception procedure will be made easier if you present the card at your Service Station.

Technical data

	G300 TURBODIESEL	G320	G500
Rated output (kW/bhp) at engine speed (rpm)	130/177 4,400	158/215 5,600	218/296 5 500
Maximum torque (Nm) at engine speed (rpm)	330 1,600 – 3,600	300 2,800 – 4,800	456 2 800 – 4 000
Displacement (cm ³)	2,996	3,199	4 966
Number of cylinders	6	6	8
Maximum speed (km/h)	164	173	195

Fuel consumption acc. to 93/116/EEC (litres/100 km)

Urban	–	–	18.5
Extra-urban	–	–	12.5
Overall	–	–	14.7

Service products – capacities



Risk of poisoning!

Keep service products such as fuels and lubricants out of the reach of children. Should any fuels or lubricants be swallowed, consult a doctor immediately.

Only use those brands which we have tested and approved. These are contained in the Mercedes-Benz Specifications for Service Products. Any Mercedes-Benz Service Station can provide you with the necessary information.



Dispose of service products in an environmentally responsible manner.

	G300 TURBODIESEL	G320	G500
Engine and oil filter			
Engine oil	8.0 l	8.5 l	8.0 l
For engine oils and viscosity classes, see Service Booklet .			

Cooling system with heating

Coolant	7.5 l	11.5 l	12.0 l
For coolant, see Service Booklet .			

All models

Brake system

Brake fluid

approx. 0.5 l

For brake fluid, see **Service Booklet**.

Differential lock mechanism

Brake fluid

approx. 0.3 l

For brake fluid, see **Service Booklet**.

Windscreen washer system and headlamp cleaning system

MB windscreen washer fluid

approx. 7.5 l

Fuel tank

Capacity

approx. 96 l

of which reserve

approx. 20 l

For fuels for petrol engines, see page 14.

For fuels for diesel engines, see page 12.

Vehicle weights (kg)
G300 Turbodiesel

G300 TURBODIESEL

	Convertible	Station Wagon, short	Station Wagon, long wheelbase
Unladen weight (with driver and full tank)	2,220	2,245	2,350
Payload	530	505	700
Max. permissible gross vehicle weight	2,750	2,750	3 050
Trailer load, unbraked	750	750	750
Gross combination weight (noseweights:	5,500	5,500	6,410
Station Wagon, long 140 kg			
Station Wagon, short and Cabrio 110 kg)			

Vehicle weights (kg)

G320

	G320			G500		
	Convertible	Station Wagon, short	Station Wagon, long wheelbase	Convertible	Station Wagon, short	Station Wagon, long wheelbase
Unladen weight (with driver and full tank)	2,220	2,245	2,350	2 350	2 365	2 460
Payload	530	505	700	--	--	--
Max. permissible gross vehicle weight	2,750	2,750	3,050	--	--	--
Trailer load, unbraked	750	750	750	750	750	750
Gross combination weight (noseweights:	5,500	5,500	6,410	--	--	--
Station Wagon, long 140 kg						
Station Wagon, short and Cabrio 110 kg)						

Fuels for diesel engines

Only use commercially available vehicle diesel fuels.

Do not use fuels of the quality of marine diesel fuel, heating oil, etc.

In countries where diesel fuel has a sulphur content exceeding 0.5 by weight, we recommend having the engine oil changed every 7,500 km (4,500 miles).

To avoid operating malfunctions, diesel fuels with improved cold flow properties are available during the very cold winter months. However, they may vary greatly from country to country.

Winter-grade diesel fuel can be used in the majority of cases without any problems down to an outside temperature of about -20°C .

The fuel preheating which is produced when the car heater is switched on enables winter-grade diesel fuel to be used for trouble-free motoring as a general rule down to an outside temperature of about -25°C .

Important!

Do not add petrol to the diesel fuel.

If summer diesel fuel is being used and the outside temperature is below -15°C , a certain quantity of flow improver or kerosene may be added, depending on the outside temperature.

Mixing ratio:

Outside temperature	Summer diesel fuel	Kerosene
-15 to -23°C	80%	20%
-23 to -30°C	50%	50%
Outside temperature	Winter diesel fuel	Kerosene
-25 to -30°C	80%	20%
-30 to -35°C	50%	50%

A combined mixture of flow improver and kerosene can also be added.

Any Mercedes-Benz Service Station will provide you with information on the recommended flow improvers.

The addition of flow improver or kerosene should be kept to the minimum compatible with the ambient temperature.

Kerosene may only be added up to a maximum of 50% by volume.

Mix the additive to the diesel fuel before the flow characteristics become impaired due to paraffin separation. Malfunctions arising as a result of paraffin separation can only be eliminated by heating up the entire fuel system.

For safety reasons, only mix kerosene with the diesel fuel in the fuel tank. To do this, first pour in the kerosene and then the diesel fuel.

Run the engine for a while so that the mixture flows through the entire fuel system.



Risk of fire!

Adding kerosene reduces the flash point of the diesel. Therefore there is a greater risk when handling this fuel mixture. Observe relevant safety precautions.

Fuels for petrol engines

Unleaded premium grade petrol as per EN 228,
minimum octane number 95 RON/85 MON



Risk of fire!

Fuel is easily ignitable. Fire, naked lights and smoking are prohibited when handling fuel. Avoid skin contact with fuel. Inhaling fuel vapours is a health hazard.

Note:

Unleaded regular grade petrol with a minimum octane rating of 91 RON/82.5 MON may be used for short periods.

The engine output can drop and the fuel consumption increase. Avoid driving at full-throttle.

Do not use fuel additives. They can lead to increased engine wear or engine damage.

Engine oil consumption

Engine oil consumption, depending on driving style:
max. 1% of fuel consumption. Max. 1 l/1,000 km,
depending on driving style.

The vehicle must cover a considerable distance before an accurate assessment of the engine's oil consumption can be made. It may be above the specified figure during the run-in period. Frequent driving at high engine speeds will result in higher oil consumption.

Roof load

(fixed steel roofed vehicles only)

Station Wagon, short max. 150 kg

Station Wagon, long max. 200 kg
wheelbase

Notes:

Notes:

MBMANUALS.COM

Publication information

The Mercedes-Benz Road Atlas can be obtained through any Mercedes-Benz Service Station.

Editorial office

Daimler-Benz AG, Stuttgart VSE/IA

We reserve the right to modify the technical details in the information and illustrations given in this Owner's Manual.

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