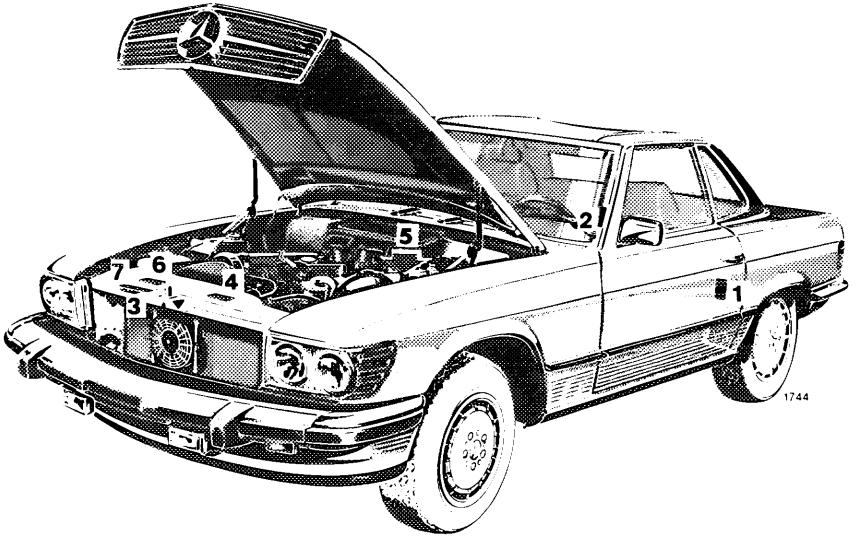
Technical Data
Fuels, Coolants, Lubricants, etc.
Consumer Information

Identification Plates

When ordering spare parts, please specify vehicle identification and engine numbers.



1 Certification Tag (left door pillar)

2 Identification Tag (left window post)

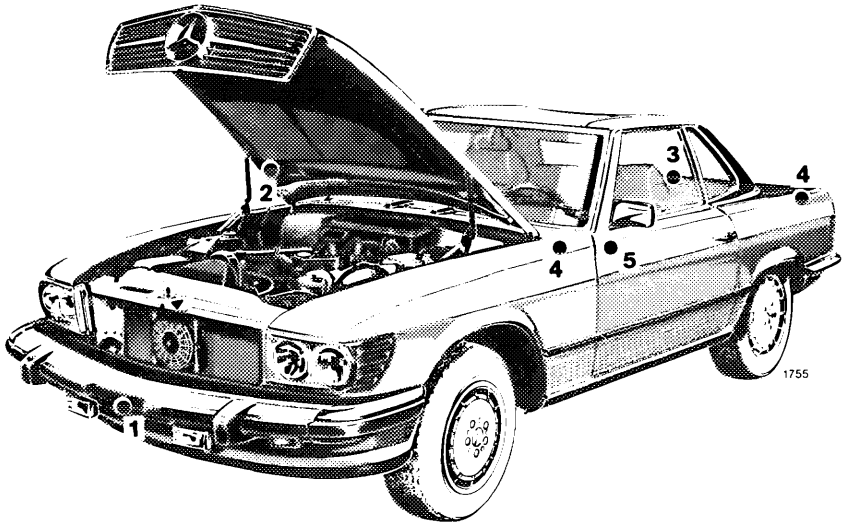
3 Vehicle Identification No.

4 Body No. and Paintwork No.

5 Engine No.

6 Information Tag California version Vacuum line routing for emission control system

7 Emission Control Tag



Location of labels

1 Bumper front/rear

2 Engine hood

3 Trunk lid

4 All fenders

5 All doors

Engine*:
on engine block, left rear

Transmission*:
on transmission, left front

* not shown in illustration

Theft Prevention

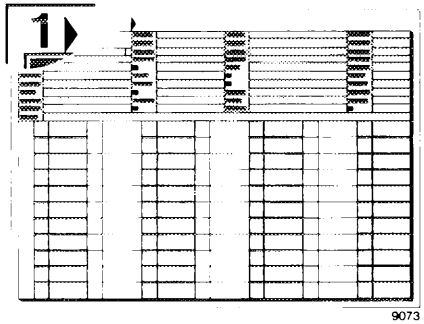
This vehicle complies with the Federal Motor Vehicle Theft Prevention Standard (49 CFR Part 541). Engine, transmission and certain body parts (see illustration) are labeled at the factory, the labels show the VIN-number of this vehicle.

Spare parts are similarly labeled at the factory in a different location. The labels show the letter R (for replacement) instead of the VIN-number.

Note:

Do not remove these labels. These labels are intended for parts identification in case of theft. When replacing parts subject to labeling, please make sure that the parts you receive are labeled properly. This is especially important when work is performed outside of the United States.

Vehicle Data Cards



The vehicle data cards bear all the important data relating to your vehicle.

Data card No. 1 bears the key number and should never be left in the vehicle. Submit this card to your authorized MERCEDES-BENZ dealer to request a replacement key in case of loss.

Data card No. 2 has no key number information and should be kept in the Maintenance Booklet where indicated.

Warranty Coverage

Your car is covered under the terms of the "warranties" printed in the Owner's Service and Warranty Policy Booklet, and your authorized MERCEDES-BENZ dealer will exchange or repair any defective parts in accordance with the terms of the following warranties:

1. New vehicle limited warranty
2. Emission system warranty
3. Emission performance warranty
4. California emission control systems warranty (State of California only, unless purchased optionally for diesel models).

Loss of Owner's Service and Warranty Policy

Should you lose your Owner's Service and Warranty Policy Booklet, have your authorized MERCEDES-BENZ dealer arrange for a replacement. It will be mailed to you.

Model	560 SL (107 048)[1]

Engine

Engine type	117
Mode of operation	4-stroke engine, gasoline injection
No. of cylinders	8
Bore	96.50 mm (3.80 in)
Stroke	94.80 mm (3.73 in)
Total piston displacement	5547 cm^3 (338.5 in^3)
Compression ratio	9
Output acc. to SAE J 1349	170 kW/4750 rpm (227 hp/4750 rpm)
Maximum torque acc. to SAE J 1349	380 Nm/3250 rpm (279 ft-lb/3250 rpm)
Firing order	1-5-4-8-6-3-7-2
V-belts:	
Water pump – fan – power steering pump 2 V-belts	9.5 x 1110 mm
Alternator	9.5 x 1005 mm
Air conditioning	12.5 x 960 mm
Air pump	9.5 x 750 mm

[1] The quoted data apply only to the standard vehicle. See an authorized MERCEDES-BENZ dealer for the corresponding data of all special bodies and special equipment.

Rims – Tires

Rims	
(forged light alloy rims)	7 J x 15 H2
Wheel offset	25 mm (1.0 in)
Summer tires:	
Radial-ply tires	205/65 VR 15
Winter tires:	
Radial-ply tires	205/65 R 15 93 T M+S

Electrical System

Alternator	14 V/70 A
Starter motor	12 V/1.5 kW
Battery	12 V/92 Ah
Spark plugs	rear inside cover

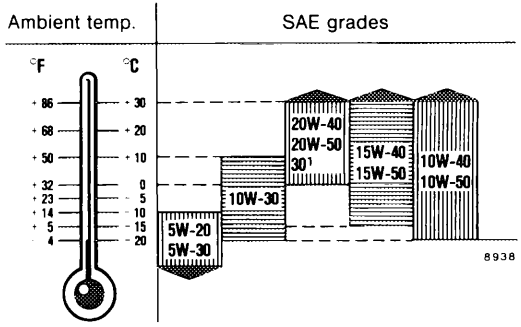
Weights	See certification tag
Roof load max.	30 kg (66 lb)
Trunk load max.	100 kg (220 lb)

Main Dimensions

Overall vehicle length	4580 mm (180.3 in)
Overall vehicle width	1790 mm (70.5 in)
Overall height	1297 mm (51.1 in)
Wheel base	2455 mm (96.7 in)
Track, front	1465 mm (57.7 in)
Track, rear	1466 mm (57.7 in)

Fuels, Coolants, Lubricants, etc. Capacities

Vehicle components and their respective lubricants must match. Therefore use only brands tested and recommended by us. Inquire at your authorized MERCEDES-BENZ dealer.

	Capacity	Fuels, coolants, lubricants, etc.
Engine with oil filter	8.0 l (8.5 US qt)	Recommended engine oils  [1] SAE 40 may be used if ambient temperature constantly exceed +30 °C (+86 °F).
Automatic transmission	Initial fill: 8.6 l (9.1 US qt) Fluid change: 7.7 l (8.1 US qt)	MB Automatic transmission fluid

	Capacity	Fuels, coolants, lubricants, etc.
Rear axle	1.3 l (1.4 US qt)	Hypoid gear oil SAE 90 for limited slip differential[1]
Accelerator control linkage		Hydraulic fluid[1]
Power steering	1.3 l (1.4 US qt)	MB Power steering fluid
Front wheel hubs	approx. 65 g (2.3 oz) each	High temperature roller bearing grease
Grease nipples		Multipurpose or lubrication grease
Door locks		Powdered graphite
Battery terminals		Bosch special grease (acid proof)
Brake reservoir	approximately 0.5 l (0.5 US qt)	MB Brake fluid (DOT4)
Windshield washer system	approximately 5.0 l (5.3 US qt)	MB Windshield washer concentrate "S"[2]
Fuel tank including a reserve of	approximately 85 l (22.5 US gal) approximately 11.5 l (3.0 US gal)	Premium unleaded gasoline: Posted Octane 91 (Average of 96 RON/86 MON)
Cooling system	13.0 l (13.7 US qt)	MB Anticorrosion/antifreeze

[1] Your authorized MERCEDES-BENZ dealer will advise you on recommended brands.

[2] Use MB Windshield Washer Concentrate "S" and water for temperatures above freezing or MB Windshield Washer Concentrate "S" and commercially available premixed windshield washer solvent/antifreeze for temperatures below freezing. Follow suggested mixing ratios, on page 41.

Engine Oils

Engine oils are specifically tested for their suitability in our engines. Therefore, use only engine oils recommended by MERCEDES-BENZ. Information on recommended brands is available at your authorized MERCEDES-BENZ dealer.

Brake Fluid

During vehicle operation, the boiling point of the brake fluid is continuously reduced through the absorption of moisture from the atmosphere. Under extremely hard operating conditions, this moisture content can lead to the formation of bubbles in the system thus reducing the system's efficiency.

The brake fluid must therefore be replaced annually, preferably in the spring.

It is recommended to use only brake fluid approved by MERCEDES-BENZ. Your authorized MERCEDES-BENZ dealer will provide you with additional information.

Premium Unleaded Gasoline

Caution!

To maintain the engines durability and performance, premium unleaded gasoline must be used. If premium unleaded is not available and low octane fuel is use, follow these precautions:

- have the fuel tank filled only partially with unleaded regular and fill up with premium unleaded as soon as possible,
- avoid full throttle driving and abrupt acceleration,
- do not exceed an engine speed of 3000 rpm, if the vehicle is loaded with a light load such as two persons and no luggage,
- do not exceed ⅔ of maximum accelerator pedal position, if the vehicle is fully loaded or operating in mountainous terrain.

Fuel Requirements

Use only Premium unleaded meeting ASTM standard D 439:

The octane number (posted at the pump) must be 91 min. It is an average of both, the Research (R) octane number and the Motor (M) octane number: [(R+M)/2]. This is also known as ANTI-KNOCK INDEX.

Unleaded gasoline containing oxygenates such as Ethanol, MTBE, IPA, IBA and TBA can be used provided the ratio of any one of these oxygenates to gasoline does not exceed 10%.

The ratio of Methanol to gasoline must not exceed 3% plus additional cosolvents.

Using mixtures of Ethanol and Methanol is not allowed. MTBE may, however, be added up to 15%. Gasohol, which contains 10% Ethanol and 90% unleaded gasoline, can be used.

These blends must also meet all other fuel requirements such as resistance to spark knock, boiling range, vapor pressure, etc..

Coolants

The engine coolant is a mixture of water and MB anticorrosion/antifreeze, which provides:

- corrosion protection
- freeze protection
- boiling protection (by increasing the boiling point).

The cooling system was filled at the factory with a coolant providing freeze protection to approx. –30 °C (–22 °F) and corrosion protection. The red area of the temperature gauge is matched to the heating properties of this coolant solution.

The coolant solution must be used year round to provide the necessary corrosion protection and increase in the boilover protection. You should have it replaced every 3 years.

To provide the important corrosion protection, the solution must be at least 40% anticorrosion/antifreeze (equals a freeze protection to approx. –25 °C [–13 °F]). If you use a solution that is more than 55% anticorrosion/antifreeze (freeze protection to approx. –45 °C [–49 °F]), the engine temperature will increase due to the lower heat transfer capability of the solution. Therefore, do not use more than this amount of anticorrosion/antifreeze.

If the coolant level is low, water and MB anticorrosion/antifreeze should be used to bring it up to the proper level (have cooling system checked for signs of leakage).

The water in the cooling system must meet minimum requirements, which are usually satisfied by normal drinking water. If you are not sure about the water quality, consult your authorized MERCEDES-BENZ dealer.

Anticorrosion/antifreeze

Your vehicle contains a number of aluminium parts. The use of aluminium components in motor vehicle engines necessitates that anticorrosion/antifreeze coolant used in such engines be specifically formulated to protect the aluminium parts. (Failure to use such anticorrosion/antifreeze coolant will result in a significantly shortened service life.)

Therefore the following product is strongly recommended for use in your car: MERCEDES-BENZ Anticorrosion/Antifreeze Agent.

Before the start of the winter season (or once a year in the hot southern regions), you should have the anticorrosion/antifreeze concentration checked. The coolant is also regularly checked each time you bring your vehicle to your authorized MERCEDES-BENZ dealer for maintenance service.

Approx. freeze protection	Anticorrosion/ antifreeze
–30 °C (–22 °F)	5.75 l (6.1 US qt)
–45 °C (–49 °F)	6.75 l (7.1 US qt)

Consumer Information

This has been prepared as required of all manufacturers of passenger cars under Title 49, Code of U.S. Federal Regulations, Part 575 pursuant to the "National Traffic and Motor Vehicle Safety Act of 1966".

Uniform Tire Quality Grading

Relevant tire grade information on tire sidewalls.

All passenger car tires must conform to federal safety requirements. In addition, consumer information on treadwear, traction and temperature must be provided.

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and a half (1½) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction "A", "B", "C"

The traction grades, from highest to lowest, are "A", "B" and "C" and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked "C" may have poor traction performance.

Warning!

The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

Temperature "A", "B", "C"

The temperature grades of "A" (the highest). "B" and "C" representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade "C" corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades "B" and "A" represent higher levels of performance in the laboratory test than the minimum required by law.

Warning!

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause excessive heat build up and possible tire failure.

Service Literature

Your authorized MERCEDES-BENZ dealer has trained technicians and original MERCEDES-BENZ parts to service your vehicle properly. For expert advice and quality service, see your authorized MERCEDES-BENZ dealer.

Customers who are interested in ordering service literature for their vehicles are advised to contact MERCEDES-BENZ distributors in the U.S. or Canada at the following addresses, respectively

for U.S.A.: Mercedes-Benz of North America Inc.
One Mercedes Drive
P. O. Box 350
Montvale, New Jersey 07645
Att: Technical Publications
Tel: (201) 573-0600

for Canada: Mercedes-Benz Canada Inc.
849 Eglinton Ave., East
Toronto, Ont., Canada
M 4 G 2 L 5
Att: Technical Publications
Tel: 416-425-3550
Telex: 065-24232

The above companies will be happy to handle any such requests from customers.

We consider this to be the best way to obtain accurate information for your vehicle.

Warning!

To help avoid personal injury, be extremely careful when performing any maintenance work or repairs. Improper or incomplete service may damage the vehicle or its equipment, which may in turn result in personal injury.

If you have any question about carrying out some service, turn to the advice of an authorized MERCEDES-BENZ dealer.