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General, technical data 00



00 General, technical data

	Job No.
Instructions for use of service manual	00-005
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Complete Service Manual coverage for late model year Mercedes-Benz vehicles requires four individual manuals:

- Service Manual, Engine
- Service Manual, Transmission
- Service Manual, Chassis and body
- Service Manual, Heating and air conditioning

Throughout these manuals, the vehicles are identified by their chassis and engine numbers. These numbers are made up of the first six digits of the respective serial number. For the actual location of chassis and engine numbers, see page 00-015/1. In case where the repair instructions apply to all versions, only the first three digits of the respective number are referenced

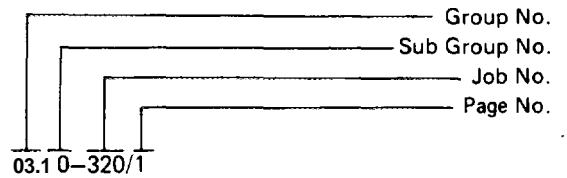
For example, engine 601 applies to all 601 engines. However, engine 601.921 would only apply to the engine used in model 190 D-2.2.

Location of specific repair instructions

First locate the Group No. in the Group Index. Individual groups are separated by an easily visible dividing page, which is followed by the job index page. Then check the job index for the exact job required. The first page of a typical job description looks like this:

03-320 Mounting of crankshaft

Job Title appears on same line as Group No.



Technical data, tightening torques and tools are listed at the beginning of each job.

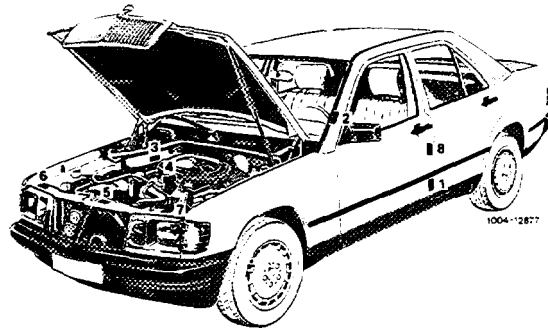
All dimensions are in metric units, unless otherwise indicated. Any part numbers given are only used for identification and easier differentiation between individual components, and are not intended for ordering purposes.

00 Engine and vehicle identification

This manual applies to the following passenger cars, starting model year 1984:

Model	USA Model Year From	To	Chassis Type	Engine Type
190 D-2.2	1984		201.122	601.921

Vehicle identification number locations 00



- 1 Certification Tag [left door pillar)
- 2 Identification Tag (left window post)
- 3 Chassis No.
- 4 Engine No.
- 5 Body No. and Paintwork No.
- 6 Information Tag
California version
Vacuum line routing for emission control system
- 7 Emission Control Tag
- 8 Emission Control Tag
Catalyst Information

Engine		
Model	201.122	
Engine	! 601.921	
Operation	4-cycle diesel, ME prechamber design	
Number of cylinders	4	
Cylinder arrangement	In-line, 15° inclination	
Bore/stroke	mm	87192.4
Total effective piston displacement	cc	2197
Compression ratio	22	
Firing order	1 - 3 - 4 - 2	
Maximum speed, no load	rpm	4900-5100
Engine output	kW/rpm	54/4200
	SAE net bhp/rpm	72/4200
Maximum torque	Nm/rpm	130/2800
	SAE net. lbf-ft/rpm	96/2800
Crankshaft bearings	5	
Valve arrangement	Overhead	
Camshaft arrangement	1 overhead camshaft	
Oil cooler	-	
Cooling	Water circulating pump, thermostat with bypass line, finned tube radiator, fan with electromagnetic clutch	
Lubrication	Forced-feed lubrication via gear-type pump	
Oil filter	Combined main and bypass filter	
Air cleaner	Dry air cleaner with paper cartridge	

00 Technical data

Electrical system

Battery	Voltage Capacity	12 v 72 Ah
Starter	Bosch	EV 12 V 2.2 kW
Alternator	Bosch	KI-14 V 55A 20 ¹⁾

¹⁾ As of model year 1985, a Bosch alternator 980 W 114 V 70 A) is installed

Filling capacities

Model	201.122			
Engine	6 0 1 . 9 2 1			
Fuel tank/reserve	approx. l		55/7.5	
Engine	Initial filling	Engine oil	approx. l	7.3
	During oil and filter change	Engine oil	approx. l	6.5
	Oil pan up to marks on oil dipstick	Engine oil	max./min. l	5.0/3.0
	Air-oil cooler	Engine oil	approx. l	—
Cooling system with heater	Coolant	approx. l	8.5	
Coolant pump	maintenance-free			
Brake system	Brake fluid	approx. l	0.35	
Manual transmission	ATF	approx. l	1.5	
Automatic transmission	ATF	Initial filling/ Oil change	approx. l	6.6/5.9
Rear axle hypoid gear oil	SAE 90	approx. l	0.7	
Power steering	ATF or manual transmission oil	approx. l	0.6	