

Engine & Cooling

Fuel

Ignition

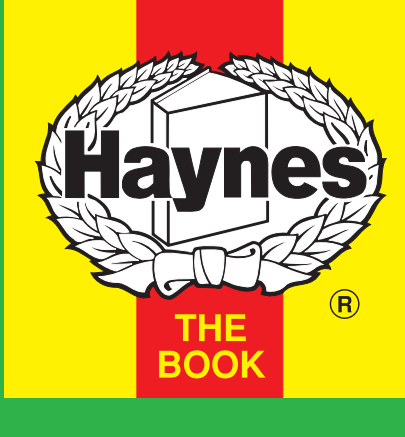
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system			C200 (202.020)	1994 to 1997
Type			111.941 DOHC 16V 100kW	
Capacity (cm³) / number of cylinders			1998 / 4	
Compression ratio / pressure	bar		9.6 / ≥10.5	
Oil pressure	bar		0.3 [3.0 @ 3000rpm]	
Oil temperature	°C		80	
Valve clearance - inlet	mm		0: Hyd.	
Valve clearance - exhaust	mm		0: Hyd.	
Firing order			1-3-4-2	
No 1 cylinder position			F	
Thermostat opening temperature	°C		87° ± 2°	
Radiator cap pressure	bar		1.40 ± 0.10	
Fuel system			C200 (202.020)	1994 to 1997
Idle speed - manual [auto]	rpm		750 to 850	
Fast idle speed - manual [auto]	rpm		—	
CO @ idle speed [3000 rpm] - see page VI	%		≤0.3	
HC @ idle speed [3000 rpm] - see page VI	ppm		≤200	
CO2 @ idle speed [3000 rpm] - see page VI	%		—	
O2 @ idle speed [3000 rpm] - see page VI	%		—	
Carburettor / fuel injection			_ Bosch	
Type / ref			PMS	
Main jet / needle			—	
Injection pressure	bar		3.2 to 3.6	
Pump pressure	bar		—	
Octane rating	RON		95[U]	
Ignition system			C200 (202.020)	1994 to 1997
Type			Computerized	
Ignition coil			—	
Primary resistance	ohms		0.3 to 0.6	
Ballast resistor	ohms		—	
Voltage - Tmnl 15(+) to earth	V		Battery	
Distributor			—	
Points gap (air gap)	mm		—	
Dwell angle	° (%)		—	
Condenser capacity	µF		—	
Rotation			—	
Ignition timing - basic [static	° Crankshaft @ rpm		Computer control N/A	
V = Vacuum NV = No Vacuum			—	
Total ignition advance	° Crankshaft @ rpm		Computer control	
	° Crankshaft @ rpm		—	
	° Crankshaft @ rpm		—	
Centrifugal check.	° Crankshaft @ rpm		Computer control	
	° Crankshaft @ rpm		—	
	° Crankshaft @ rpm		—	
Vacuum range check	mbar		Computer control	
Maximum vacuum advance	° Crankshaft		—	
Spark plugs			Bosch/Champion	
Type			F8DCO / C10YCC	
Electrode gap	mm		0.80	
Electrical system			C200 (202.020)	1994 to 1997
Battery	V / CC / RC		12V 62AH	
Alternator voltage / full load current / engine rpm			13.0 to 14.5 / 90 / _	
Starter motor current / voltage - cranking	A / V		75 / 11.5	
- locked	A / V		—	
Running gear			C200 (202.020)	1994 to 1997
Brakes -				
Front (min. friction material thickness)	mm		2.0	
Rear (min. friction material thickness)	mm		2.0	
Tyres				
Saloon	Size		195/65x15: 205/60x15	
Estate / Van	Size		195/65x15: 205/60x15	
Pressure - front / rear - Saloon	bar		2.1 / 2.3	
- Estate / Van	bar		—	
Front suspension / wheel alignment				
Toe-in (+) / Toe-out (–)	mm [°]		[+20' ± 10']	
Camber			-35' ± 20'. Sport: -55'±20'	
Castor			4°40'±30'. Sport: 5°10'±30'	
King pin inclination			—	
Rear suspension / wheel alignment				
Toe-in (+) / Toe-out (–)	mm [°]		[+33' ± 7']	
Camber			—	
Torque wrench settings			C200 (202.020)	1994 to 1997
Cylinder head - stage 1	Nm		55. Bolt length ≤105	
- stage 2	Nm		+ 90°	
Cylinder head - stage 3	Nm		+ 90°	
- stage 4	Nm		—	
Big-end bearings	Nm		30, + 90 to 100°	
Main bearings	Nm		55, + 90 to 100°	
Clutch cover	Nm		25	
Flywheel [driveplate]	Nm		40, +90 to 100°	
Front hubs	Nm		WSM	
Rear hubs	Nm		200 to 240	
Wheel nuts / bolts	Nm		110	
Spark plugs	Nm		25 to 30	
Capacities			C200 (202.020)	1994 to 1997
Engine oil & filter	litres		5.8	
Gearbox - 4-speed [5-speed]	litres		1.5	
Automatic transmission - refill	litres		5.5	
Final drive	litres		0.7	
Cooling system	litres		8.3	
Fuel tank	litres		62	

Notes and Illustrations