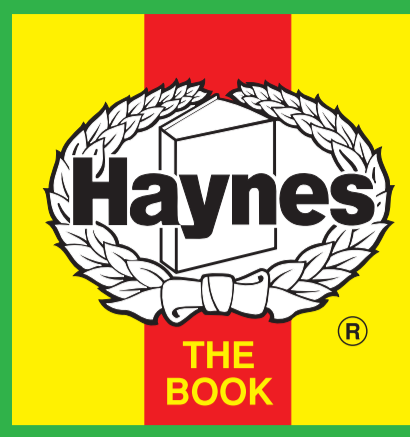


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

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HELP

Engine and cooling system 309, 1.1i CAT 1991 to 1994

Type	TU1M/Z (HDZ) (44kW)	
Capacity (cm ³) / number of cylinders	1124 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	1.5 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.0

Fuel system 309, 1.1i CAT 1991 to 1994

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	1300±50
CO @ idle speed [3000 rpm] - see page VI	%	≤0.4 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	Mono-Jetronic	
Main jet / needle	_	
Injection pressure	bar	1.0 to 1.2
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system 309, 1.1i CAT 1991 to 1994

Type	AEI	
Ignition coil	_	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8±1 BTDC @ 850
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C061-D046
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	6 to 8 @ 1000
	° Crankshaft @ rpm	18 to 22 @ 1800
	° Crankshaft @ rpm	24 to 28 @ 4000
Vacuum range check	mbar	220 to 337
Maximum vacuum advance	° Crankshaft	6 to 8
Spark plugs	Eyquem/Champion	
Type	RFC42LS / C10YCC	
Electrode gap	mm	0.80

Electrical system 309, 1.1i CAT 1991 to 1994

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear 309, 1.1i CAT 1991 to 1994

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	145x13: 155x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.5 PW
Camber		-30'±30'
Castor		+2°±30'
King pin inclination		+10°15'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.6±0.8 PW ¹
Camber		-50'±30'

Torque wrench settings 309, 1.1i CAT 1991 to 1994

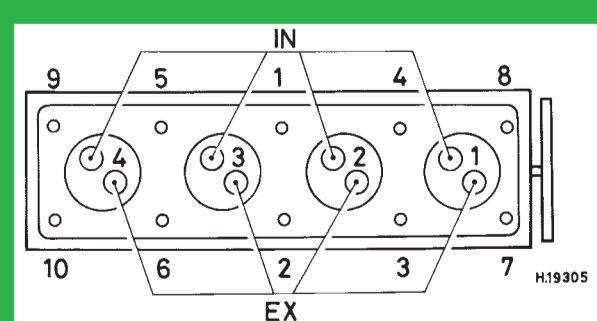
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	WSM
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	265
Rear hubs	Nm	215
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

Capacities 309, 1.1i CAT 1991 to 1994

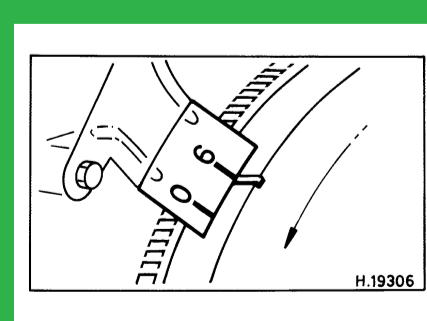
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.7
Fuel tank	litres	55

Notes and Illustrations

¹1990 ►: +1.8±0.8 PW



1124 cm³, TU1



1124 cm³, TU1