

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

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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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[11]

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	

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	—
	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		

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

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

Torque wrench settings		300, 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	

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

