

Engine & Cooling

Fuel

Ignition

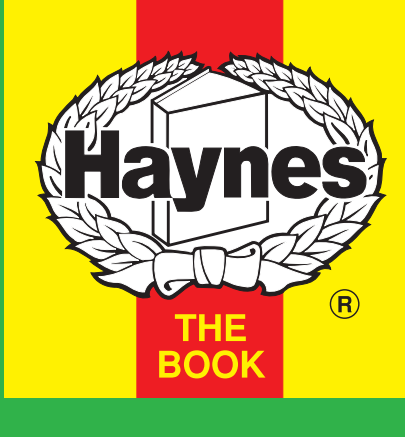
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Automotive Technical
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Engine and cooling systemClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Type		E7J-7-10 [E7J-7-11] 60kW ¹
Capacity (cm ³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	83
Radiator cap pressure	bar	0.9

Fuel systemClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Idle speed - manual [auto]	rpm	825±50 [780±50] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 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		Monopoint SPI
Main jet / needle		_
Injection pressure	bar	1.0±0.02
Pump pressure	bar	1.06±0.1
Octane rating	RON	95[U]

Ignition systemClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Type		Computerized
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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		NGK
Type		BCP5ES
Electrode gap	mm	0.90±0.05

Electrical systemClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / 60, 70 / 4000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	460 / _

Running gearClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	165/65x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0 UL
Camber		-20'±30' N/A
Castor		+1°55'±30' N/A
King pin inclination		+10°±30' N/A

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 2.5 N/A
Camber		-50'±30' N/A

Torque wrench settingsClio 1.4 CAT (B/C/S57B/T)1991 to 1997

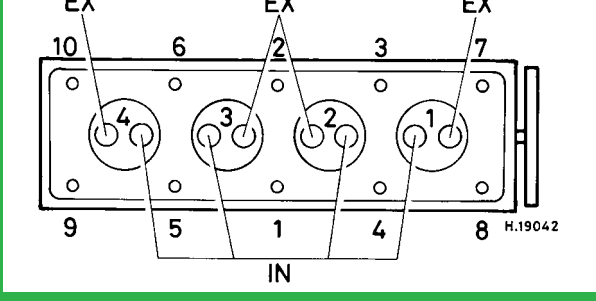
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 97±2°
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	20 + 97±2°
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	25. M8: 30
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

CapacitiesClio 1.4 CAT (B/C/S57B/T)1991 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	3.5
Final drive	litres	AT: 1.0
Cooling system	litres	5.2
Fuel tank	litres	43

Notes and Illustrations

¹B/C/S57T: E7J-7-18 [E7J-7-19]



1390 cm³