

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

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### Engine and cooling system Clio 16V/16S CAT (C57D) 1991 to 1997

Type		F7P-7-22 US87 DOHC16V 102KW
Capacity (cm <sup>3</sup> ) / number of cylinders		1764 / 4
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	2.0 [3.5]
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	1.2

### Fuel system Clio 16V/16S CAT (C57D) 1991 to 1997

Idle speed - manual [auto]	rpm	900±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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Siemens Bendix
Type / ref		MPI
Main jet / needle		_
Injection pressure	bar	2.5±0.2
Pump pressure	bar	3.0±0.2
Octane rating	RON	95[U]

### Ignition system Clio 16V/16S CAT (C57D) 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		Bosch/Champion
Type		F6DC / C7BMC
Electrode gap	mm	0.80±0.05 <sup>1</sup>

### Electrical system Clio 16V/16S CAT (C57D) 1991 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm		13.5 / 70 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	450 / _

### Running gear Clio 16V/16S CAT (C57D) 1991 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	5.0 with backing

<b>Tyres</b>		
Saloon	Size	185/60x14: 185/55x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	_

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0±1.0
Camber		-1°33'±30' N/A
Castor		+2°5'±30' N/A
King pin inclination		+10°47'±30' N/A

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 3.0 N/A
Camber		-50'±30' N/A

### Torque wrench settings Clio 16V/16S CAT (C57D) 1991 to 1997

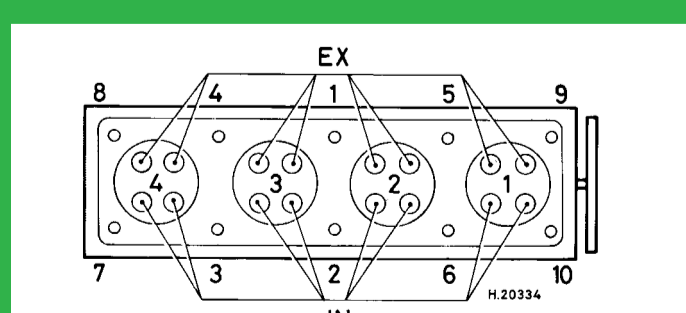
Cylinder head - stage 1	Nm	30 <sup>2</sup>
- stage 2	Nm	+50°
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	25 +213°
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	175
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 35

### Capacities Clio 16V/16S CAT (C57D) 1991 to 1997

Engine oil & filter	litres	4.2
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	50

### Notes and Illustrations

- <sup>1</sup>C7BMC: N/A
- <sup>2</sup>TORX T55 Bolts



1764 cm<sup>3</sup>, 16V