

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

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HELP

## Engine and cooling system Clio 1.8i AT (357/557D) 1995 to 1997

Type		F3P-7-55
Capacity (cm <sup>3</sup> ) / number of cylinders		1783 / 4
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.2 [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	83
Radiator cap pressure	bar	0.9

## Fuel system Clio 1.8i AT (357/557D) 1995 to 1997

Idle speed - manual [auto]	rpm	750±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥14.5
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Siemens Bendix
Type / ref		Multipoint 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 1.8i AT (357/557D) 1995 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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control N/A
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		W7DCO / N7YCX
Electrode gap	mm	0.85 to 0.95

## Electrical system Clio 1.8i AT (357/557D) 1995 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / 70, 90 / 4000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	460 / _

## Running gear Clio 1.8i AT (357/557D) 1995 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing
<b>Tyres</b>		
Saloon	Size	165/60x14: 175/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		-20'±30' N/A
Castor		+1°55'±30' N/A
King pin inclination		+10°±30' N/A
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 2.5 N/A
Camber		-50'±30' N/A

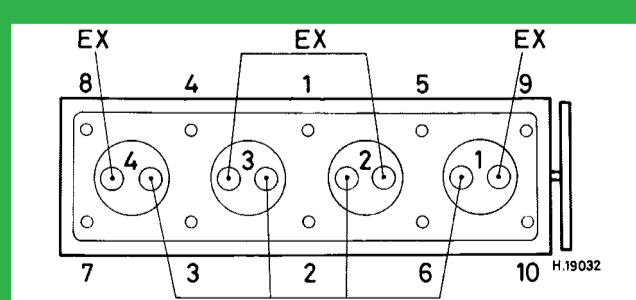
## Torque wrench settings Clio 1.8i AT (357/557D) 1995 to 1997

Cylinder head - stage 1	Nm	30
- stage 2	Nm	+50±4°
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	25 + 123±7°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	60 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

## Capacities Clio 1.8i AT (357/557D) 1995 to 1997

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	_
Automatic transmission - refill	litres	3.5
Final drive	litres	1.0
Cooling system	litres	6.5
Fuel tank	litres	43

## Notes and Illustrations



1783 cm<sup>3</sup>