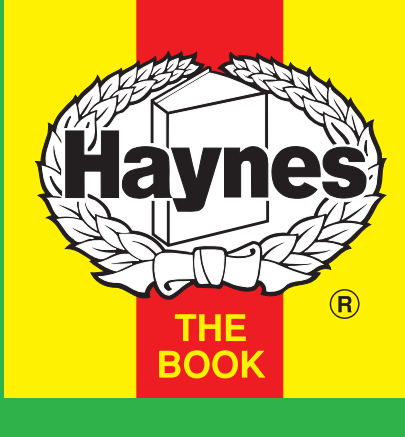


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Clio 1.8i AT (357/557D)

1995 to 1997

Type		F3P-7-55
Capacity (cm ³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥14.5
O2 @ 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	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		
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

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

Tyres		
Saloon	Size	165/60x14: 175/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
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

Rear suspension / wheel alignment		
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	_

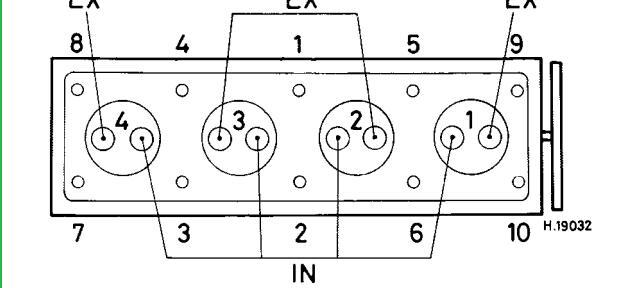
Capacities

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 cm³