

Engine & Cooling

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Automotive Technical
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Engine and cooling systemClio 16V/16S (C575)1991 to 1992

Type		F7P-7-20 DOHC 16V 15.04
Capacity (cm³) / 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	83
Radiator cap pressure	bar	1.2

Fuel systemClio 16V/16S (C575)1991 to 1992

Idle speed - manual [auto]	rpm	900±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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[E 95 RON]

Ignition systemClio 16V/16S (C575)1991 to 1992

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 ¹

Electrical systemClio 16V/16S (C575)1991 to 1992

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 gearClio 16V/16S (C575)1991 to 1992

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

Tyres		
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 settingsClio 16V/16S (C575)1991 to 1992

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	20 + 107±2°
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

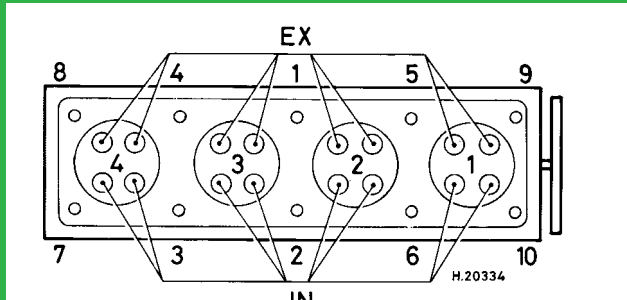
CapacitiesClio 16V/16S (C575)1991 to 1992

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

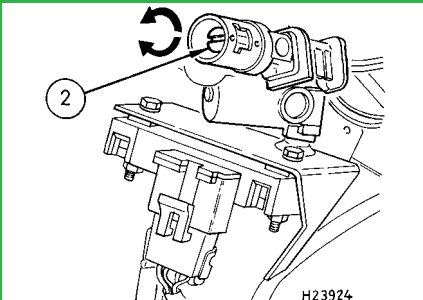
Notes and Illustrations

¹C7BMC: N/A

1: Idle speed 2: CO / Mixture



1764 cm³, 16V



Siemens Bendix MPI