

Engine & Cooling

Fuel

Ignition

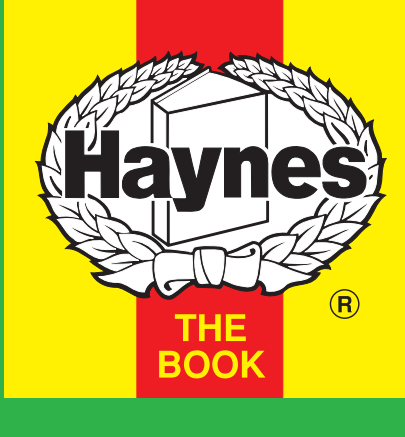
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Clio 1.2 (B/C/S572/N)

1991 to 1992

Type		E5F-7-10. B57N: E5F-7-16
Capacity (cm ³) / number of cylinders		1171 / 4
Compression ratio / pressure	bar	9.25 / 14.0
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	86 to 98
Radiator cap pressure	bar	1.2

Fuel system

Clio 1.2 (B/C/S572/N)

1991 to 1992

Idle speed - manual [auto]	rpm	800±50
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		Pierburg/Zenith
Type / ref		32 1B1 717625.21/28/29/30/32
Main jet / needle		102.5
Injection pressure	bar	—
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[E 95 RON]

Ignition system

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1991 to 1992

Type		Electronic
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	8±1 BTDC @ 800±50
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE292
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	5 to 10 @ 750
	° Crankshaft @ rpm	6 to 12 @ 1550
	° Crankshaft @ rpm	23 to 28 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥14. E5F-7-16: ≥10
Spark plugs		NGK
Type		BCP5ES
Electrode gap	mm	0.80±0.05

Electrical system

Clio 1.2 (B/C/S572/N)

1991 to 1992

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 gear

Clio 1.2 (B/C/S572/N)

1991 to 1992

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

Tyres		
Saloon	Size	145/70x13: 155/70x13:145/80x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 2.3 ¹
- 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 settings

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1991 to 1992

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	—

Capacities

Clio 1.2 (B/C/S572/N)

1991 to 1992

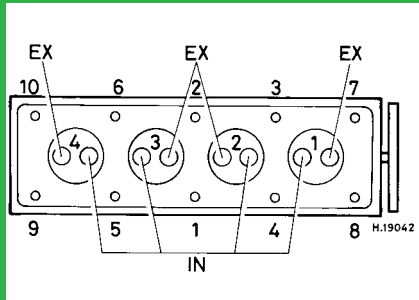
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.25 [3.4] ²
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.2
Fuel tank	litres	43

Notes and Illustrations

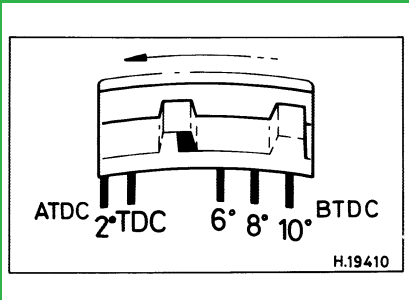
¹145/70x13: 2.4 / 2.4. 145/80x13: 2.1 / 2.1

²JB4: 2.75. JB5: 2.9

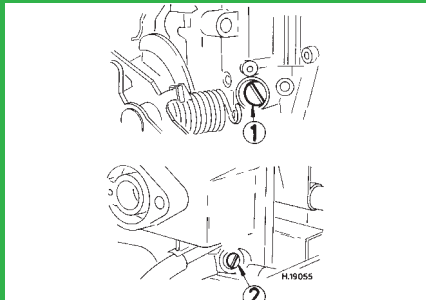
1: Idle speed 2: CO / Mixture



1171 cm³



1171 cm³



Pierburg / Zenith 1B1