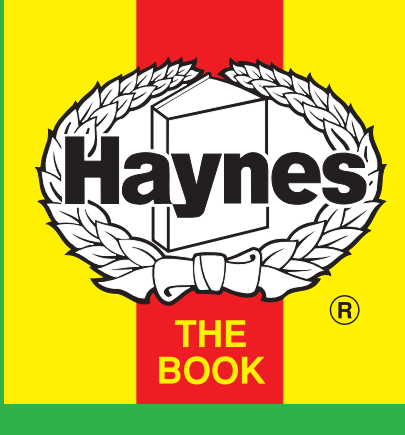


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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MENU	HELP
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Engine and cooling system Coupé 2.0 16V 1994 to 1997

Type		836 A3.000 102kW DOHC 16V
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	10.5 / _
Oil pressure	bar	1.5
Oil temperature	°C	100
Valve clearance - inlet	mm	0.45±0.03
Valve clearance - exhaust	mm	0.50±0.03
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	1.0

Fuel system Coupé 2.0 16V 1994 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.35
HC @ idle speed [3000 rpm] - see page VI	ppm	≤90
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Weber-Marelli
Type / ref		IAW 4Q4.P8 MPI
Main jet / needle		_
Injection pressure	bar	3.0±0.06
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Coupé 2.0 16V 1994 to 1997

Type		AEI
Ignition coil		Marelli BAE 504DK
Primary resistance	ohms	0.405 to 0.495
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		Fiat/Champion
Type		7FYSSR / RN7YCC
Electrode gap	mm	0.85 to 0.95

Electrical system Coupé 2.0 16V 1994 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 70A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Coupé 2.0 16V 1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	195/55x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	1.0 to -1.0
Camber		-45' to 15'
Castor		2°10' to 3°10'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.5 to 1.5
Camber		-1° to -30'

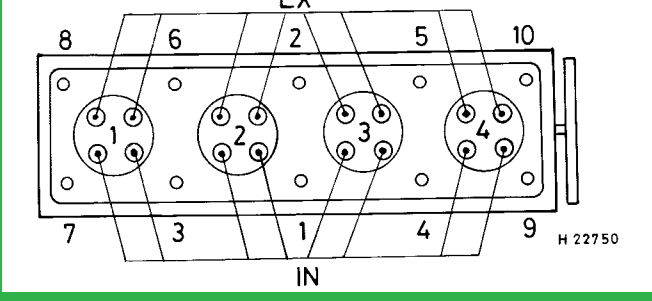
Torque wrench settings Coupé 2.0 16V 1994 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	50
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	25 +50°
Main bearings	Nm	20 +90° Centre: 20 +130°
Clutch cover	Nm	38
Flywheel [driveplate]	Nm	142
Front hubs	Nm	280
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	97
Spark plugs	Nm	37

Capacities Coupé 2.0 16V 1994 to 1997

Engine oil & filter	litres	4.8
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	60

Notes and Illustrations



1995 cm³, DOHC 16V