

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & 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.

MENU **HELP**

Engine and cooling system Coupé 2.0 16V 1994 to 1997

Type	836 A3.000 102kW DOHC 16V	
Capacity (cm ³) / 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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥13.0
O ₂ @ 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'	

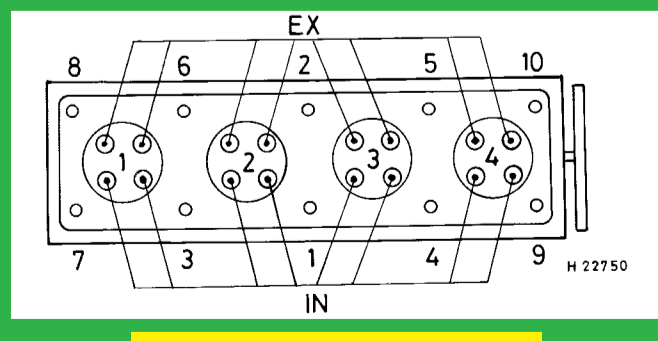
Torque wrench settings Coupé 2.0 16V 1994 to 1997

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