

Engine & Cooling

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Automotive Technical
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Engine and cooling systemCoupé 16V Turbo1994 to 1996

Type		175 A1.000 140kW DOHC 16V
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	1.1
Oil temperature	°C	80
Valve clearance - inlet	mm	0.40±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	1.00

Fuel systemCoupé 16V Turbo1994 to 1996

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 4WF.P8 MPI
Main jet / needle		_
Injection pressure	bar	2.5
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemCoupé 16V Turbo1994 to 1996

Type		IAW Static
Ignition coil		Marelli 800 DK
Primary resistance	ohms	0.405 to 0.605
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	10±2 BTDC @ 850±50
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
Type		WR6DTC
Electrode gap	mm	0.80 to 1.00

Electrical systemCoupé 16V Turbo1994 to 1996

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

Running gearCoupé 16V Turbo1994 to 1996

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

Tyres		
Saloon	Size	205/50x16
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°30' to -30'

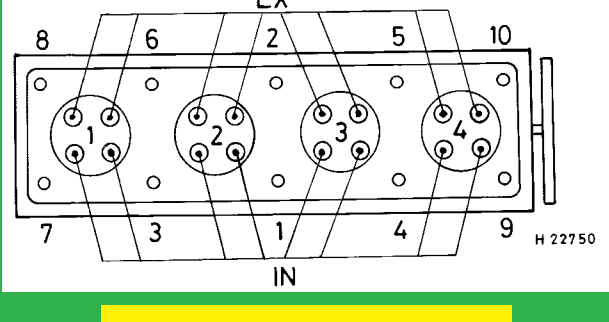
Torque wrench settingsCoupé 16V Turbo1994 to 1996

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	24
Flywheel [driveplate]	Nm	142
Front hubs	Nm	280
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	97
Spark plugs	Nm	37

CapacitiesCoupé 16V Turbo1994 to 1996

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	60

Notes and Illustrations



1995 cm³, DOHC 16V