

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 20V Turbo 1997

Type		175A3.000 DOHC 20V 162kW
Capacity (cm ³) / number of cylinders		1998 / 5
Compression ratio / pressure	bar	8.5 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	100
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-4-5-3
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81
Radiator cap pressure	bar	0.98

Fuel system Coupé 2.0 20V Turbo 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥13.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		M2.10.4-Motronic SEFI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Coupé 2.0 20V Turbo 1997

Type		Motronic Static
Ignition coil		Bosch 5x 0 221 504 006
Primary resistance	ohms	0.40
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		Bosch
Type		FRBKTC
Electrode gap	mm	_

Electrical system Coupé 2.0 20V Turbo 1997

Battery	V / CC / RC	12 / 60 / 380
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 100 / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Coupé 2.0 20V Turbo 1997

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	2.7 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+3.0 to +1.0
Camber		-13' to -1°13'
Castor		2°33' to 3°33'
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber		-1°30' to -30'

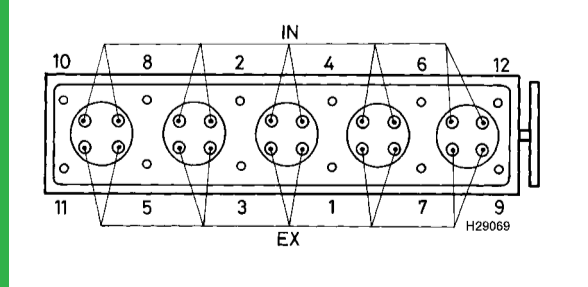
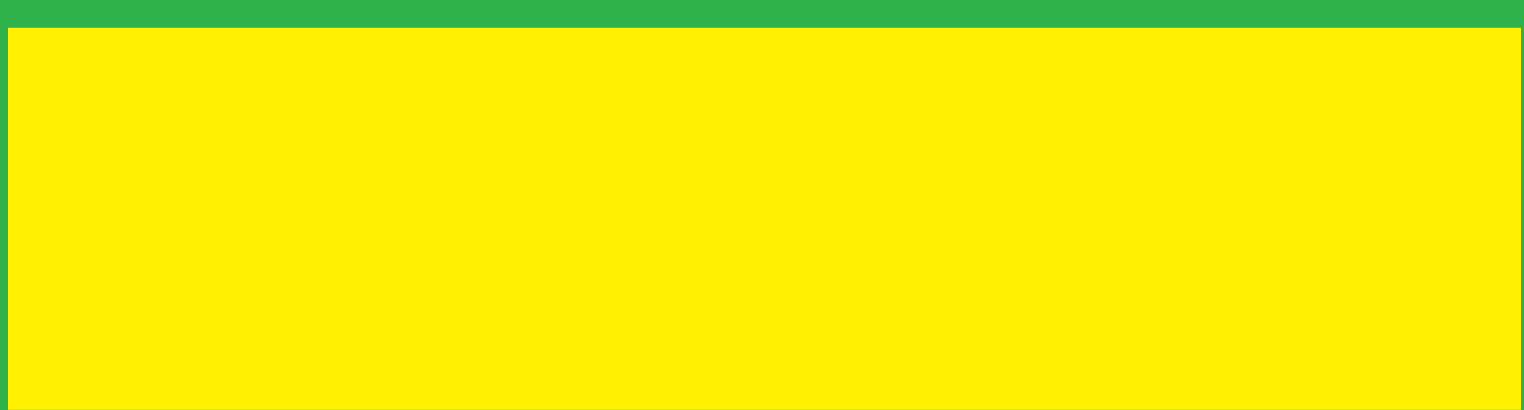
Torque wrench settings Coupé 2.0 20V Turbo 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	51
Main bearings	Nm	113
Clutch cover	Nm	24
Flywheel [driveplate]	Nm	142
Front hubs	Nm	280
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	97
Spark plugs	Nm	25

Capacities Coupé 2.0 20V Turbo 1997

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.98
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.2
Fuel tank	litres	63

Notes and Illustrations



1998 cm³, 20V