

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling system		Coupé 2.0 20V Turbo	1997
Type		175A3.000 DOHC 20V 162kW	
Capacity (cm³) / 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	
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0	
O2 @ 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	_	

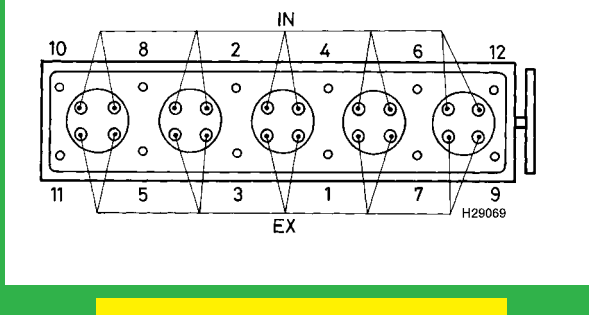
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	+3.0 to +1.0	
Camber		-13' to -1°13'	
Castor		2°33' to 3°33'	
King pin inclination		_	

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