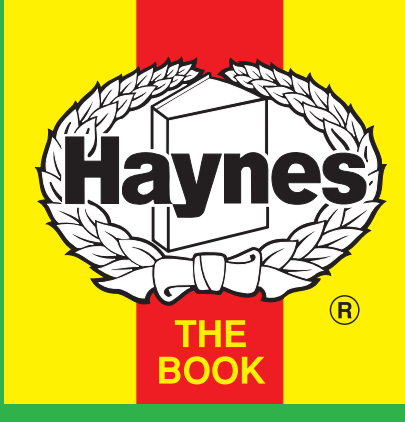




Automotive
Technical
DATA BOOK

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MENU

HELP

Engine and cooling system

200 Turbo & Avant, 2.1i

1983 to 1988

Type		KG (134kW) SOHC
Capacity (cm ³) / number of cylinders		2144 / 5
Compression ratio / pressure	bar	8.8 / ≥8.5
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20 to 0.30 ¹
Valve clearance - exhaust	mm	0.40 to 0.50 ¹
Firing order		1-2-4-5-3
No 1 cylinder position		TBE
Thermostat opening temperature	°C	87
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

200 Turbo & Avant, 2.1i

1983 to 1988

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bosch
Type / ref		K-Jetronic plus Turbo
Main jet / needle		—
Injection pressure	bar	3.0 to 4.1 ²
Pump pressure	bar	4.7 to 5.4 ³
Octane rating	RON	98[E 98 RON]

Ignition system

200 Turbo & Avant, 2.1i

1983 to 1988

Type		FEI
Ignition coil		Bosch
Primary resistance	ohms	0.5 to 1.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	N/A
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	TDC @ 800±50 N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° 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/Champion
Type		W5DTC / N7YCX
Electrode gap	mm	0.70 to 0.90

Electrical system

200 Turbo & Avant, 2.1i

1983 to 1988

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

200 Turbo & Avant, 2.1i

1983 to 1988

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.1 / 1.9
- Estate / Van	bar	2.1 / 1.9

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	[0+5' -10'] 4x4: [+5'+5' -10']
Camber		-30'±30'
Castor		+50'±40'
King pin inclination		—

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	[+10'±5'] 4x4: [+10'±10']
Camber		-40'±30' ⁴

Torque wrench settings

200 Turbo & Avant, 2.1i

1983 to 1988

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	50 ⁵
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	Without shoulder: 75 ⁶
Front hubs	Nm	MT 1988 ►: 200 + 90°
Rear hubs	Nm	WSM ⁷
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

Capacities

200 Turbo & Avant, 2.1i

1983 to 1988

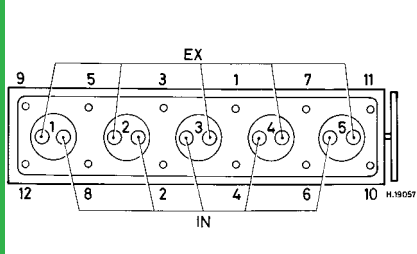
Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.6 ⁸
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 1.0 ⁹
Cooling system	litres	8.0
Fuel tank	litres	80

Notes and Illustrations

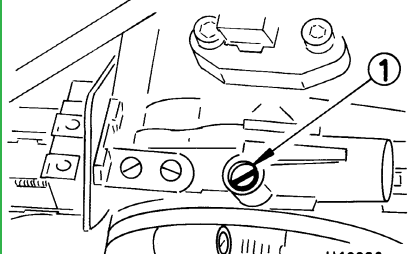
- ¹7.84 ►: 0: Hydraulic adjusters
- ²3.85 ►: 4.3 to 4.6
- ³3.85 ►: 5.8 to 6.4
- ⁴01.88 ►: -50'±30'. 4x4: -15'±15'
- ⁵85 ►: 30 + 90°
- ⁶With shoulder: 30 + 90°
- ⁷4x4: 360. 88 ►: 200 + 90°
- ⁸4x4: ►7.85: 3.2. ►1.88: 2.2. 1.88 ►: 2.9
- ⁹4x4 rear: 1.6

1: Idle speed

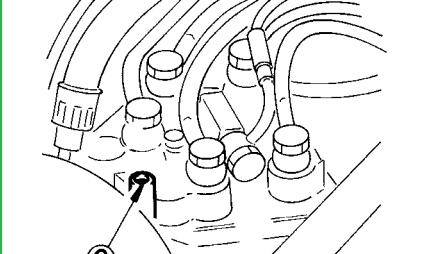
2: CO / Mixture



2144 cm³, 10V



K-Jetronic, KG



K-Jetronic, KG