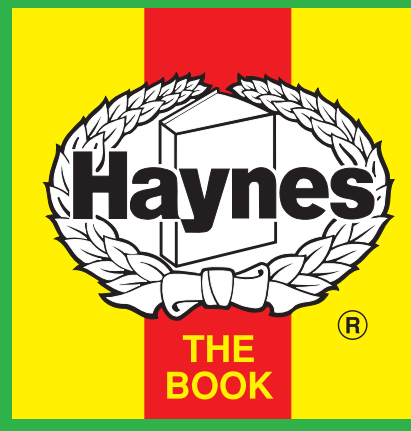


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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 100 & A6, 2.0i 1993 to 1996

Type		ABK 85kW SOHC
Capacity (cm <sup>3</sup> ) / number of cylinders		1984 / 4
Compression ratio / pressure	bar	10.4 / ≥7.0
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	87
Radiator cap pressure	bar	1.2 to 1.5

### Fuel system 100 & A6, 2.0i 1993 to 1996

Idle speed - manual [auto]	rpm	820±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Volkswagen
Type / ref		Digifant 039 906 024
Main jet / needle		—
Injection pressure	bar	2.0 to 2.5
Pump pressure	bar	5.5
Octane rating	RON	95[U]

### Ignition system 100 & A6, 2.0i 1993 to 1996

Type		Digifant
Ignition coil		—
Primary resistance	ohms	0.50 to 1.50
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 2000 to 2500 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		NGK
Type		BUR6ET
Electrode gap	mm	0.70 to 0.90

### Electrical system 100 & A6, 2.0i 1993 to 1996

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / 90 / 2000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

### Running gear 100 & A6, 2.0i 1993 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.5. Disc: 2.0
<b>Tyres</b>		
Saloon	Size	195/65x15: 205/60x15 <sup>1</sup>
Estate / Van	Size	195/65x15: 205/60x15 <sup>1</sup>
Pressure - front / rear - Saloon	bar	1.9 / 1.9 <sup>2</sup>
- Estate / Van	bar	1.9 / 1.9 <sup>2</sup>
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	[+15'±5']
Camber		-40'+35'-25'. Sports: -50' <sup>3</sup>
Castor		+1°10'±40' N/A
King pin inclination		—
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	[+20'±10']
Camber		-50'±30'

### Torque wrench settings 100 & A6, 2.0i 1993 to 1996

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	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	30 + 90°
Front hubs	Nm	200 + 90°
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25 to 30

### Capacities 100 & A6, 2.0i 1993 to 1996

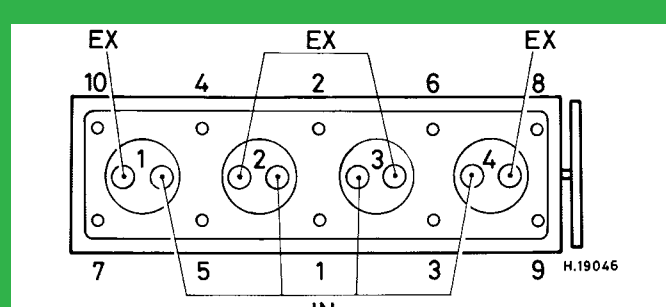
Engine oil & filter	litres	3.0
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 1.0
Cooling system	litres	7.0
Fuel tank	litres	80

### Notes and Illustrations

<sup>1</sup>Also 215/60x15

<sup>2</sup>215/60x15: 1.8 / 1.8

<sup>3</sup>HD: -15'+35'-25'



1984 cm<sup>3</sup>, 8V