

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

Golf/Vento 1.6i

1994 to 1995

Type		AEK SOHC 8V 74kW
Capacity (cm ³) / number of cylinders		1598 / 4
Compression ratio / pressure	bar	10.3 / ≥7.5
Oil pressure	bar	[2.0 @ 2000rpm]
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 to 102
Radiator cap pressure	bar	1.3 to 1.5

Fuel system

Golf/Vento 1.6i

1994 to 1995

Idle speed - manual [auto]	rpm	800 to 880
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 [≤0.3] N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	–
O2 @ idle speed [3000 rpm] - see page VI	%	–
Carburettor / fuel injection		_Bosch
Type / ref		DME Motronic
Main jet / needle		–
Injection pressure	bar	2.5
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system

Golf/Vento 1.6i

1994 to 1995

Type		Motronic
Ignition coil		–
Primary resistance	ohms	0.5 to 1.2
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	0 to 15 BTDC fluctuating 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		NGK
Type		BKUR5ET-10
Electrode gap	mm	0.90 to 1.10

Electrical system

Golf/Vento 1.6i

1994 to 1995

Battery	V / CC / RC	12 / 220 / 44, 280 / 60
Alternator voltage / full load current / engine rpm		–
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

Running gear

Golf/Vento 1.6i

1994 to 1995

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	175/70x13:185/60x14: 195/50x15
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	2.1 / 1.9. Vento: 2.0 / 1.8
- Estate / Van	bar	–

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[0±10']
Camber		-30'±20'
Castor		+1°45'±30'
King pin inclination		–

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+20'±10']
Camber		-1°30'±10' N/A

Torque wrench settings

Golf/Vento 1.6i

1994 to 1995

Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90° oiled
Main bearings	Nm	65 + 90°
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 + 90°
Front hubs	Nm	265
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

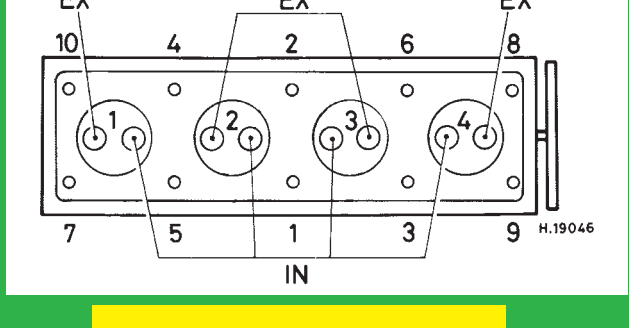
Capacities

Golf/Vento 1.6i

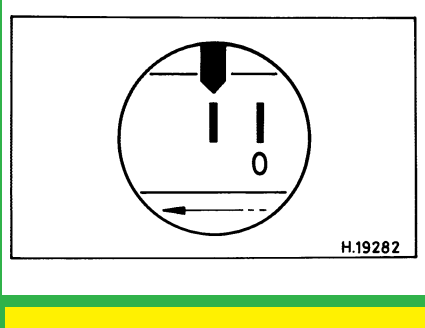
1994 to 1995

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	–
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	55. Est: 60

Notes and Illustrations



1598 cm³



1598 cm³