

VOLKSWAGEN

LT 2.3

1997

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling system

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Type		AGL DOHC 16V 105kW
Capacity (cm ³) / number of cylinders		2298 / 4
Compression ratio / pressure	bar	8.8 /
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

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Idle speed - manual [auto]	rpm	700 to 800 N/A
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	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—Bosch
Type / ref		Motronic
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

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Type		Motronic
Ignition coil		—
Primary resistance	ohms	0.3 to 0.4
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	—
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		Beru
Type		14F8CDUSR
Electrode gap	mm	0.8

Electrical system

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Battery	V / CC / RC	12 / 300 / 66Ah
Alternator voltage / full load current / engine rpm		—
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	—
Rear (min. friction material thickness)	mm	—

Tyres		
Saloon	Size	—
Estate / Van	Size	195/70x15:225/70x15
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	3.25:2.25 / 3.5:2.75

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—
Castor		—
King pin inclination		—

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

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Cylinder head - stage 1	Nm	55 ¹
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	Bolts A: 20
Big-end bearings	Nm	—
Main bearings	Nm	—
Clutch cover	Nm	13
Flywheel [driveplate]	Nm	—
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	170±10
Spark plugs	Nm	25

Capacities

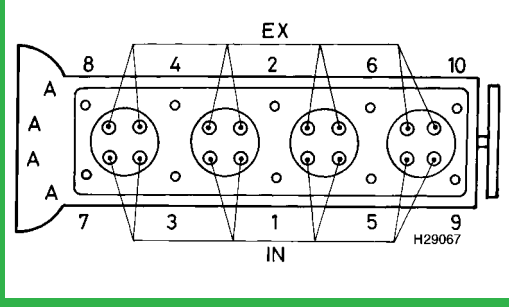
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Engine oil & filter	litres	—
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	—
Final drive	litres	1.5 Twin wheels: 1.8
Cooling system	litres	—
Fuel tank	litres	—

Notes and Illustrations

¹Bolt shank length: ≤105 mm



2298 cm³, 16V