

VOLKSWAGEN

LT 2.3

1997

Engine & Cooling

Fuel

Ignition

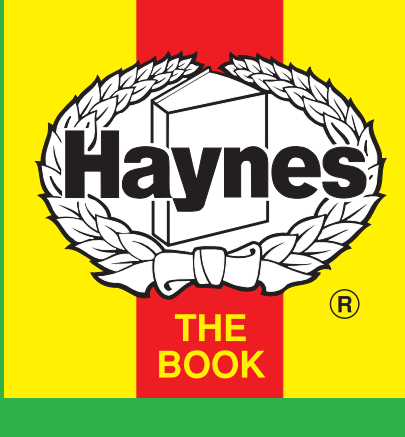
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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.

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HELP

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

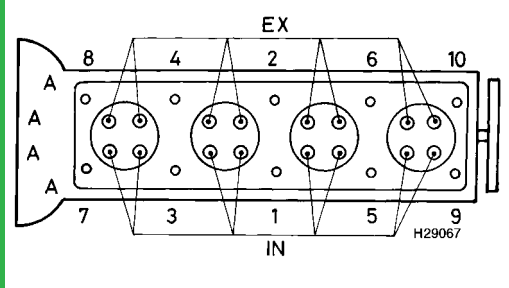
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Engine oil & filter	litres	–
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	–
Final drive	litres	1.5 Twin wheels: 1.8
Cooling system	litres	–
Fuel tank	litres	–

Notes and Illustrations

¹Bolt shank length: ≤105 mm



2298 cm³, 16V