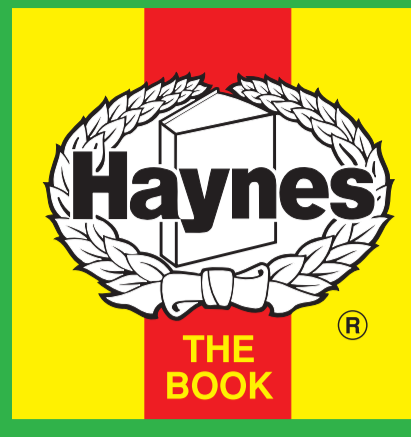


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system Golf/Jetta 1.6 1983 to 1992

Type	EZ(A) 55 (51)kW or ABN	
Capacity (cm ³) / number of cylinders	1595 / 4	
Compression ratio / pressure	bar	9.0 / ≥7.0
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 to 0.25 ¹
Valve clearance - exhaust	mm	0.35 to 0.45 ¹
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	85
Radiator cap pressure	bar	1.2 to 1.5 ²

Fuel system Golf/Jetta 1.6 1983 to 1992

Idle speed - manual [auto]	rpm	950±50. 1.85 ▶: 750±50
Fast idle speed - manual [auto]	rpm	3000±200
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Solex/Pierburg	
Type / ref	2E2. ABN: 2E3	
Main jet / needle	110, 127.5	
Injection pressure	bar	—
Pump pressure	bar	0.20 to 0.25
Octane rating	RON	91[E 91 RON]

Ignition system Golf/Jetta 1.6 1983 to 1992

Type	Contact breaker - CIS ³	
Ignition coil	Bosch	
Primary resistance	ohms	1.7 to 2.1 ⁴
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	0.40
Dwell angle	° (%)	47±3
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	18±1 BTDC @ idle
V = Vacuum NV = No Vacuum	V	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1100 to 1300 ⁵
	° Crankshaft @ rpm	4 to 8 @ 1600
	° Crankshaft @ rpm	27 to 31 @ 4500
Vacuum range check	mbar	160 to 310
Maximum vacuum advance	° Crankshaft	14 to 16. TCI-h: 13 to 17
Spark plugs	Bosch/Champion	
Type	W8DC / N9YC ⁶	
Electrode gap	mm	0.60 to 0.80 ⁶

Electrical system Golf/Jetta 1.6 1983 to 1992

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm	—	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear Golf/Jetta 1.6 1983 to 1992

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
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[0±10']
Camber	-30'±20'	
Castor	+1°30'±30'	
King pin inclination	—	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+25'±15']
Camber	-1°40'±20'	

Torque wrench settings Golf/Jetta 1.6 1983 to 1992

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°
Main bearings	Nm	65 ⁷
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	230
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities Golf/Jetta 1.6 1983 to 1992

Engine oil & filter	litres	3.5. 7.85 ▶: 4.0
Gearbox - 4-speed [5-speed]	litres	1.5 [2.0]
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 0.75
Cooling system	litres	6.0
Fuel tank	litres	55

Notes and Illustrations

¹86 ▶: 0: Hydraulic adjusters

²8.89 ▶: 1.3 to 1.5

³1.85 ▶: TSZ-h (TCI-h)

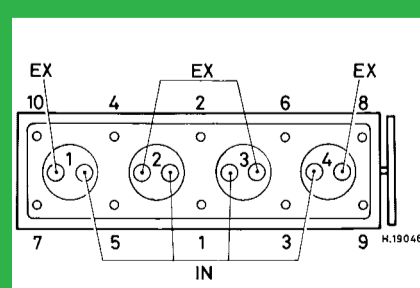
⁴TCI-h: green sticker: 0.52 to 0.76. Grey: 0.6 to 0.8

⁵1.85 ▶: 0 @ 850 to 1200

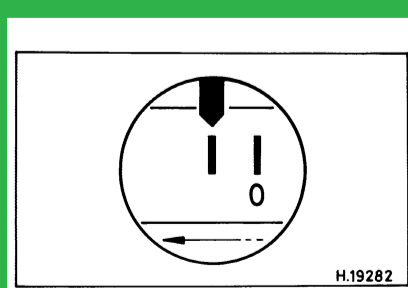
⁶TCI-h: W8DTC / N9BYC4, gap: 0.90 to 1.10

⁷Replace with fully threaded shank bolts: 65 + 90°

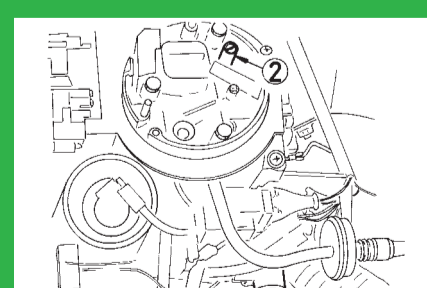
1: Idle speed 2: CO / Mixture



1595 cm³



1595 cm³



Solex / Pierburg 2E2 / 2E3