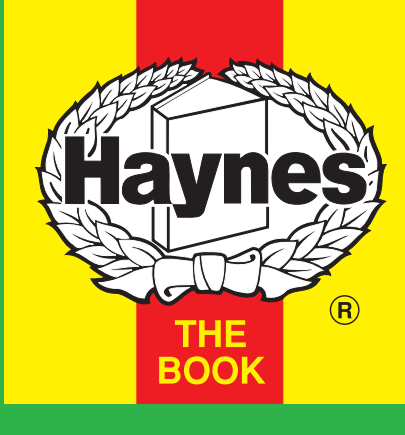




Automotive Technical

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/Jetta 1.6 EGR

1983 to 1988

Type		HM. 55kW
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 EGR

1983 to 1988

Idle speed - manual [auto]	rpm	950±50
Fast idle speed - manual [auto]	rpm	4200±200
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.15
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Keihin
Type / ref		26-30 DB 027 129 015
Main jet / needle		110, 150 [AT: 108, 105]
Injection pressure	bar	—
Pump pressure	bar	0.20 to 0.25
Octane rating	RON	91[E 91 RON]

Ignition system

Golf/Jetta 1.6 EGR

1983 to 1988

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	6±1 BTDC @ 950±50
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1100 to 1300 ⁵
	° Crankshaft @ rpm	4 to 8 @ 1600 ⁵
	° Crankshaft @ rpm	27 to 31 @ 4500 ⁵
Vacuum range check	mbar	140 to 250
Maximum vacuum advance	° Crankshaft	5 to 7
Spark plugs		Bosch/Champion
Type		W8DC / N9YC ⁶
Electrode gap	mm	0.60 to 0.80 ⁶

Electrical system

Golf/Jetta 1.6 EGR

1983 to 1988

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 EGR

1983 to 1988

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 EGR

1983 to 1988

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 EGR

1983 to 1988

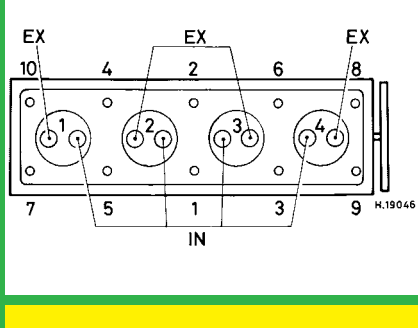
Engine oil & filter	litres	3.5. 7.85 ►: 4.0
Gearbox - 4-speed [5-speed]	litres	1.5 [2.0]
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 0.75
Cooling system	litres	6.0
Fuel tank	litres	55

Notes and Illustrations

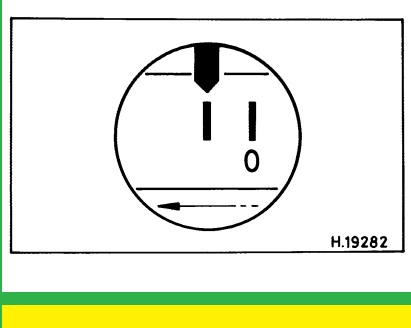
- ¹86 ►: 0: Hydraulic adjusters
- ²8.89 ►: 1.3 to 1.5
- ³1.85 ►: TSZ-h (TCI-h)
- ⁴TCI-h: green sticker: 0.52 to 0.76. Grey: 0.6 to 0.8
- ⁵1.85 ►: 0 @ 750 to 1250, 12 to 17 @ 2000, 33 to 37 @ 4400
- ⁶TCI-h: W8DTC / N9BYC4, gap: 0.90 to 1.10
- ⁷Replace with fully threaded shank bolts: 65 + 90°

1: Idle speed

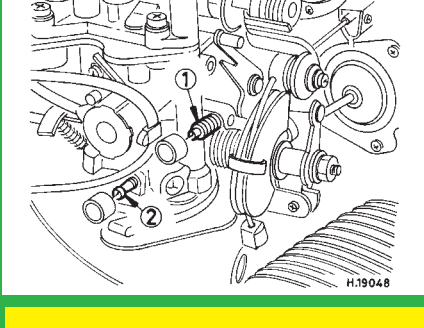
2: CO / Mixture



1595 cm³



1595 cm³



Keihin 26-30