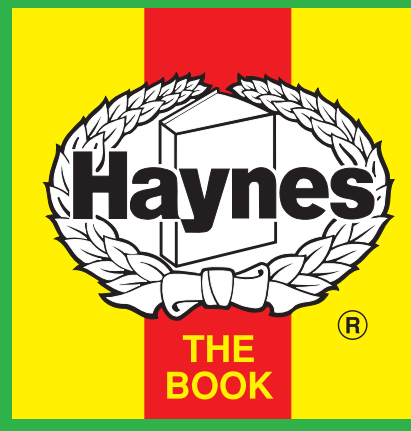


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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MENU

HELP

## Engine and cooling system Ibiza & Cordoba 1.8i 16V 1994 to 1997

Type		ADL. DOHC 16V 95kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1781 / 4
Compression ratio / pressure	bar	10.4 / ≥7.5
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85 to 105
Radiator cap pressure	bar	1.4 to 1.6

## Fuel system Ibiza & Cordoba 1.8i 16V 1994 to 1997

Idle speed - manual [auto]	rpm	780 to 880 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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Volkswagen
Type / ref		Digifant
Main jet / needle		—
Injection pressure	bar	2.0
Pump pressure	bar	3.0
Octane rating	RON	95[U]

## Ignition system Ibiza & Cordoba 1.8i 16V 1994 to 1997

Type		Digifant
Ignition coil		Bosch N152
Primary resistance	ohms	0.5 to 0.7
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 780 to 880
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	30 to 38 BTDC @ 3000
	° 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		BKUR7ET
Electrode gap	mm	≤0.60

## Electrical system Ibiza & Cordoba 1.8i 16V 1994 to 1997

Battery	V / CC / RC	12 / 45, 54Ah
Alternator voltage / full load current / engine rpm		14.1 / 70, 80 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear Ibiza & Cordoba 1.8i 16V 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

<b>Tyres</b>		
Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.4 / 2.0
- Estate / Van	bar	—

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[0±10°]
Camber		-42'±20'
Castor		+1°55'±30'
King pin inclination		—

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+15'±5']
Camber		-1°34'±20'

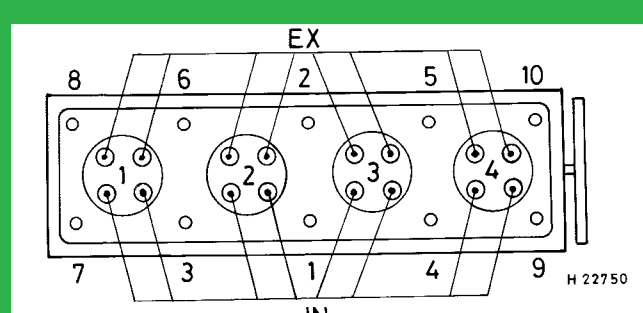
## Torque wrench settings Ibiza & Cordoba 1.8i 16V 1994 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90° N
Main bearings	Nm	65
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	265
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

## Capacities Ibiza & Cordoba 1.8i 16V 1994 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	47

## Notes and Illustrations

1781 cm<sup>3</sup>, DOHC 16V