

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

Ibiza 1.05i 1993 to 1997

Type	AAU. SOHC 8V 33kW	
Capacity (cm ³) / number of cylinders	1043 / 4	
Compression ratio / pressure	bar	9.8 / ≥7.0
Oil pressure	bar	[2.0 to 7.0]
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	87
Radiator cap pressure	bar	1.30 to 1.50

Fuel system

Ibiza 1.05i 1993 to 1997

Idle speed - manual [auto]	rpm	750 to 850 N/A
Fast idle speed - manual [auto]	rpm	2500 to 2800
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 [≤0.3]
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	Bosch	
Type / ref	Mono-Motronic	
Main jet / needle	-	
Injection pressure	bar	0.80 to 1.20
Pump pressure	bar	-
Octane rating	RON	91[U]

Ignition system

Ibiza 1.05i 1993 to 1997

Type	Motronic	
Ignition coil	Bosch	
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	5±1 BTDC @ 750 to 850 N/A
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	NGK/_/Champion	
Type	BP5ET / N7BYC	
Electrode gap	mm	0.70 to 0.90

Electrical system

Ibiza 1.05i 1993 to 1997

Battery	V / CC / RC	12 / 36 or 45Ah
Alternator voltage / full load current / engine rpm	14.1 / 50 / 3000	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear

Ibiza 1.05i 1993 to 1997

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres

Saloon	Size	155/70x13
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.1 / 2.0
- 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 [°]	[+15'±5']
Camber		-1°34'±20'

Torque wrench settings

Ibiza 1.05i 1993 to 1997

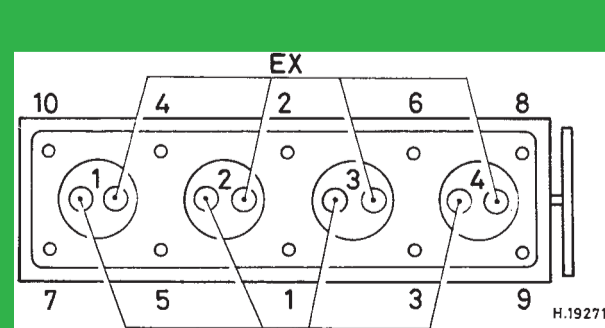
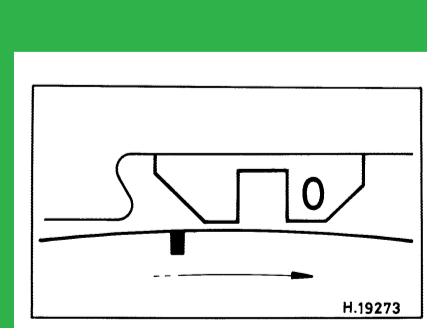
Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90° N
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	265
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities

Ibiza 1.05i 1993 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	4.2
Fuel tank	litres	47

Notes and Illustrations

1043 cm³1043 cm³