

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.

MENU

HELP

Engine and cooling systemIbiza 1.7i CAT1992 to 1993

Type		021 A.3000 72kW
Capacity (cm³) / number of cylinders		1675 / 4
Compression ratio / pressure	bar	10.8 / ≥13.5
Oil pressure	bar	≥1.5 [3.5 to 4.0]
Oil temperature	°C	100
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	88±2
Radiator cap pressure	bar	0.98

Fuel systemIbiza 1.7i CAT1992 to 1993

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.3 to 0.7
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		LU2-Jetronic
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	1.8 to 2.0
Octane rating	RON	95[U]

Ignition systemIbiza 1.7i CAT1992 to 1993

Type		TSZ
Ignition coil		Bosch TCI
Primary resistance	ohms	0.6 to 1.0
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	11.5
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ 850±50
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		Bosch/Champion
Type		F7DC / C7YC
Electrode gap	mm	0.8 to 0.9. Champ: 0.6 to 0.7

Electrical systemIbiza 1.7i CAT1992 to 1993

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm		13.6 to 14.4 / 65 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	340 / 7.5

Running gearIbiza 1.7i CAT1992 to 1993

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 1.9
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±1.0
Camber		+15' to -1°15'
Castor		+24' ±30'
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+4.0±2.0
Camber		-21'±30'

Torque wrench settingsIbiza 1.7i CAT1992 to 1993

Cylinder head - stage 1	Nm	20 ¹
- stage 2	Nm	+ 90° ¹
- stage 3	Nm	+ 90° ¹
- stage 4	Nm	—
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	85±5
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	85
Front hubs	Nm	216
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	Alloy: 78. Steel: 86
Spark plugs	Nm	32

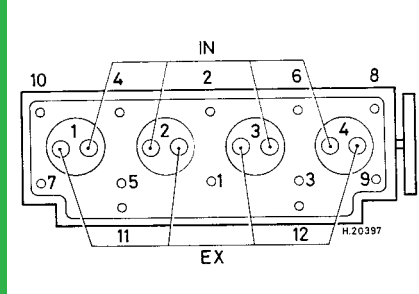
CapacitiesIbiza 1.7i CAT1992 to 1993

Engine oil & filter	litres	4.1
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	47

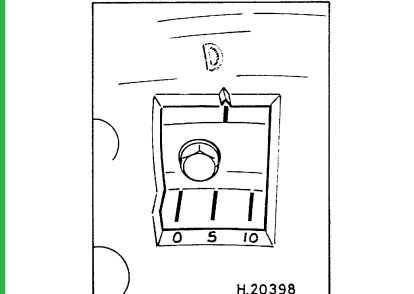
Notes and Illustrations

¹Bolts 1 to 10 only. Finally tighten bolts 11 & 12 to 20 only

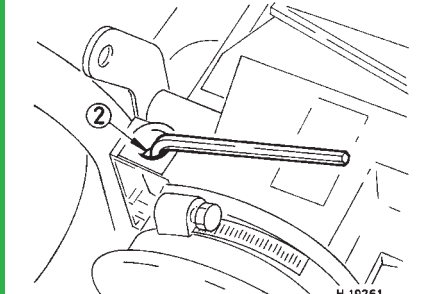
1: Idle speed2: CO / Mixture



1675 cm³



1675 cm³



LU2-Jetronic