

Engine & Cooling

Fuel

Ignition

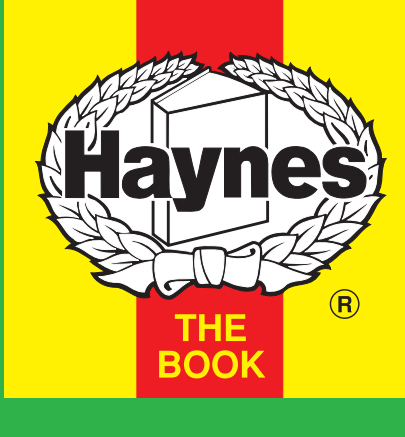
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

306, 1.8i CAT & Cabrio

1993 to 1997

Type		XU73P/L/Z (LFZ) 74kW US83
Capacity (cm³) / number of cylinders		1761 / 4
Compression ratio / pressure	bar	9.25 / _
Oil pressure	bar	[4.8 to 5.3]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89 to 99 [AT: 83]
Radiator cap pressure	bar	1.4

Fuel system

306, 1.8i CAT & Cabrio

1993 to 1997

Idle speed - manual [auto]	rpm	850 to 900 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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Magneti-Marelli
Type / ref		MM8P MPI
Main jet / needle		_
Injection pressure	bar	2.3 to 2.7
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system

306, 1.8i CAT & Cabrio

1993 to 1997

Type		Static
Ignition coil		2x Bosch. Ducellier BAE 04
Primary resistance	ohms	0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control 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		Eyquem/Champion
Type		RFC52LS / C9YCX
Electrode gap	mm	0.80

Electrical system

306, 1.8i CAT & Cabrio

1993 to 1997

Battery	V / CC / RC	(12L1 250)
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

306, 1.8i CAT & Cabrio

1993 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	175/65x14: 185/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	Cabrio: 2.2 / 2.2
- Estate / Van	bar	2.0 / 2.1

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0±0.5 PAS: +1.0±0.5
Camber		-20'±30'
Castor		1°45'±30' PAS: 3°20'±30'
King pin inclination		+11°±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.1±0.75
Camber		-1°20'±15'

Torque wrench settings

306, 1.8i CAT & Cabrio

1993 to 1997

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50
Front hubs	Nm	265
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

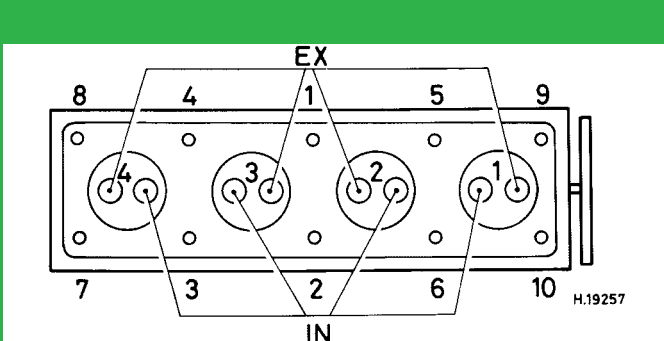
Capacities

306, 1.8i CAT & Cabrio

1993 to 1997

Engine oil & filter	litres	4.75
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	60

Notes and Illustrations



1761 cm³