

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 900i 16V 1994 to 1997

Type	B206i DOHC 16V	
Capacity (cm <sup>3</sup> ) / number of cylinders	1985 / 4	
Compression ratio / pressure	bar	—
Oil pressure	bar	[2.7]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	—	
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.4 to 1.5

## Fuel system 900i 16V 1994 to 1997

Idle speed - manual [auto]	rpm	900±50 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	_ Bosch	
Type / ref	Motronic	
Main jet / needle	—	
Injection pressure	bar	3.0
Pump pressure	bar	—
Octane rating	RON	95[U]

## Ignition system 900i 16V 1994 to 1997

Type	Motronic	
Ignition coil	—	
Primary resistance	ohms	—
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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control N/A
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	
Type	BCP5EV	
Electrode gap	mm	0.60

## Electrical system 900i 16V 1994 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm	—	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear 900i 16V 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	4.0
Rear (min. friction material thickness)	mm	4.0

<b>Tyres</b>		
Saloon	Size	195/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	—

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.5±0.8
Camber		-0°30'±20'
Castor		2°08'±20'
King pin inclination		13°18'

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.0±2.0
Camber		-2°12'

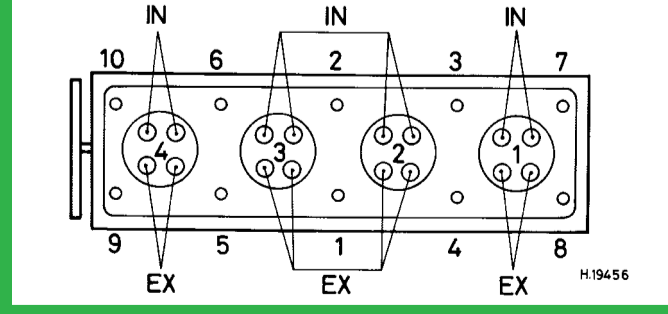
## Torque wrench settings 900i 16V 1994 to 1997

Cylinder head - stage 1	Nm	60
- stage 2	Nm	80
- stage 3	Nm	+90°
- stage 4	Nm	—
Big-end bearings	Nm	48
Main bearings	Nm	110
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	80
Front hubs	Nm	290
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	120
Spark plugs	Nm	28

## Capacities 900i 16V 1994 to 1997

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	3.25
Final drive	litres	WT
Cooling system	litres	8.5
Fuel tank	litres	68

## Notes and Illustrations

1985 cm<sup>3</sup>, 16V