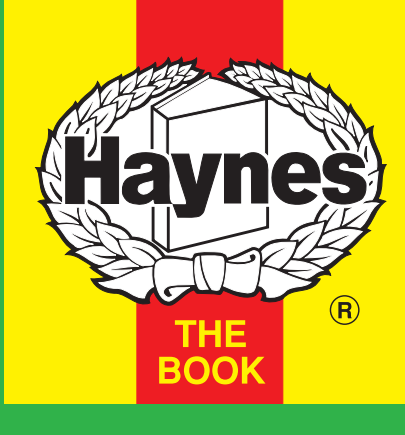


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive
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DATA
BOOK

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Engine and cooling system900 2.5i V61993 to 1997

Type		B258i DOHC24V 131kW
Capacity (cm³) / number of cylinders		2498 / 6
Compression ratio / pressure	bar	10.8 / _
Oil pressure	bar	1.2
Oil temperature	°C	≥100
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		_
Thermostat opening temperature	°C	87 to 91
Radiator cap pressure	bar	0.9 to 1.2

Fuel system900 2.5i V61993 to 1997

Idle speed - manual [auto]	rpm	600 to 800 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	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		M2.8.1-Motronic SEFI
Main jet / needle		_
Injection pressure	bar	2.2 to 2.7
Pump pressure	bar	3.0 to 3.5
Octane rating	RON	95[U]

Ignition system900 2.5i V61993 to 1997

Type		DIS
Ignition coil		3x2 Dual spark
Primary resistance	ohms	0.6
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	Electronic control
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		Bosch/Champion
Type		FR7LDC / RC9MCC
Electrode gap	mm	0.80±0.10

Electrical system900 2.5i V61993 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.8 / 120 / 2500
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear900 2.5i V61993 to 1997

Brakes -		
Front (min. friction material thickness)	mm	4.0
Rear (min. friction material thickness)	mm	4.0

Tyres		
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±0.5
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'

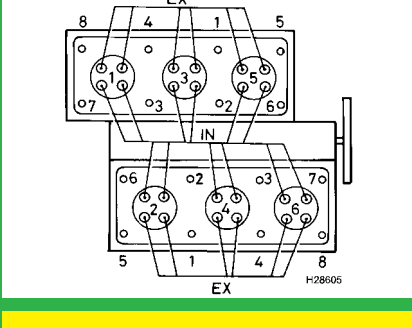
Torque wrench settings900 2.5i V61993 to 1997

Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 90°
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90° +15°
Big-end bearings	Nm	35 + 45° +15° N
Main bearings	Nm	50 + 60° +15° N
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 + 30° +15° N
Front hubs	Nm	290
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	25

Capacities900 2.5i V61993 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	2.5 to 3.0
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	68

Notes and Illustrations



2498 cm³, DOHC 24V