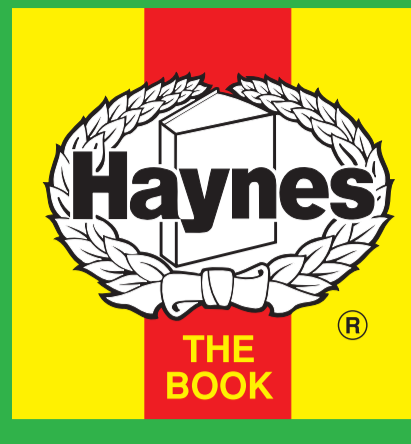


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system 900 2.5i V6 1993 to 1997

Type	B258i DOHC24V 131kW	
Capacity (cm ³) / 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 system 900 2.5i V6 1993 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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ 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 system 900 2.5i V6 1993 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 system 900 2.5i V6 1993 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 gear 900 2.5i V6 1993 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'	

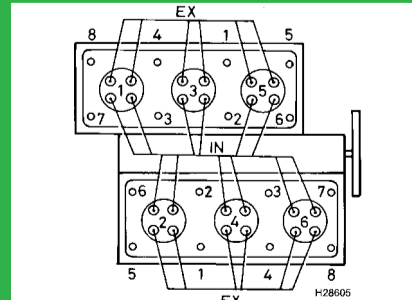
Torque wrench settings 900 2.5i V6 1993 to 1997

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

Capacities 900 2.5i V6 1993 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