

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

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Engine and cooling system 9000 3.0 V6 1995 to 1997

Type	B308i DOHC 24V 155kW	
Capacity (cm ³) / number of cylinders	2961 / 6	
Compression ratio / pressure	bar	10.8 / _
Oil pressure	bar	[≥4.5]
Oil temperature	°C	80
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	92+1-2
Radiator cap pressure	bar	0.90 to 1.20

Fuel system 9000 3.0 V6 1995 to 1997

Idle speed - manual [auto]	rpm	800±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 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	
Main jet / needle	-	
Injection pressure	bar	3.0±0.1
Pump pressure	bar	-
Octane rating	RON	91[U]

Ignition system 9000 3.0 V6 1995 to 1997

Type	Motronic	
Ignition coil	-	
Primary resistance	ohms	0.5±0.1
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	Bosch	
Type	FR8LDC	
Electrode gap	mm	0.70 to 0.90

Electrical system 9000 3.0 V6 1995 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm	14 / 80, 115 /	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear 9000 3.0 V6 1995 to 1997

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

Tyres		
Saloon	Size	195/65x15
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	-

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.5±0.5
Camber		-39'±30'
Castor		+1°39'±30'
King pin inclination		+11°18'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.5±1.5
Camber		-15'±15'

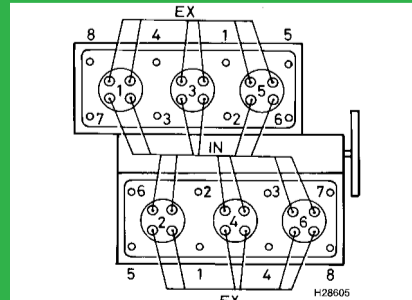
Torque wrench settings 9000 3.0 V6 1995 to 1997

Cylinder head - stage 1	Nm	25
- stage 2	Nm	+90°
- stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	35 +45°+15°
Main bearings	Nm	50 +60°+15°
Clutch cover	Nm	20 to 24
Flywheel [driveplate]	Nm	65 +30°
Front hubs	Nm	290
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	105 to 130
Spark plugs	Nm	25

Capacities 9000 3.0 V6 1995 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	3.0 to 3.5
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	66

Notes and Illustrations



H28605
2962 cm³