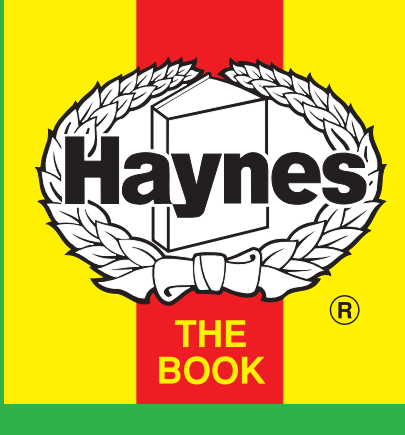


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU	HELP
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Engine and cooling system9000 3.0 V61995 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 system9000 3.0 V61995 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
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
Main jet / needle		_
Injection pressure	bar	3.0±0.1
Pump pressure	bar	_
Octane rating	RON	91[U]

Ignition system9000 3.0 V61995 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 system9000 3.0 V61995 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 gear9000 3.0 V61995 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'

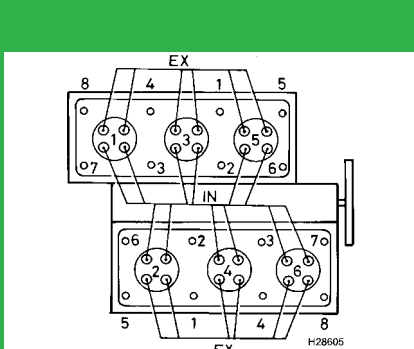
Torque wrench settings9000 3.0 V61995 to 1997

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

Capacities9000 3.0 V61995 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