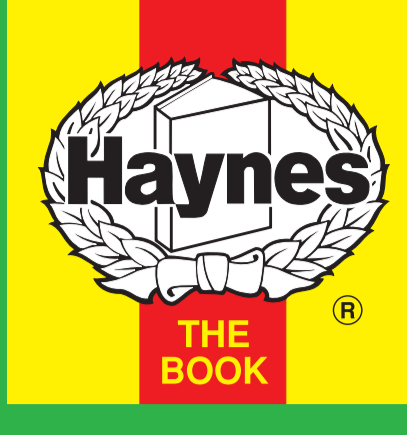


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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**

Engine and cooling system A8, 2.8 1994 to 1996

Type		AAH 128kW
Capacity (cm ³) / number of cylinders		2771 / 6
Compression ratio / pressure	bar	10.3 / ≥7.5
Oil pressure	bar	1.0 to 2.5 [3.0 to 5.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-4-3-6-2-5
No 1 cylinder position		PER
Thermostat opening temperature	°C	87 to 102
Radiator cap pressure	bar	1.2 to 1.5

Fuel system A8, 2.8 1994 to 1996

Idle speed - manual [auto]	rpm	700 to 800 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	3.2 to 3.8
Pump pressure	bar	3.8 to 4.2
Octane rating	RON	95[U]

Ignition system A8, 2.8 1994 to 1996

Type		FEI
Ignition coil		6 output
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	° 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		NGK
Type		BKUR6ET-10
Electrode gap	mm	—

Electrical system A8, 2.8 1994 to 1996

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

Running gear A8, 2.8 1994 to 1996

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	7.0 with backing

Tyres		
Saloon	Size	225/60x16: 225/55x17
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+15'±5'] PW
Camber		-30'±30' PW
Castor		—
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+6'±5'] PW
Camber		-40'±30' PW

Torque wrench settings A8, 2.8 1994 to 1996

Cylinder head - stage 1	Nm	60 N
- stage 2	Nm	+180°
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	60 + 180°
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	60 + 90°. Dual mass: 40 + 180°
Front hubs	Nm	200 + 90°
Rear hubs	Nm	4x4: 200 + 90°
Wheel nuts / bolts	Nm	120
Spark plugs	Nm	30

Capacities A8, 2.8 1994 to 1996

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.25. 4x4: 2.85
Automatic transmission - refill	litres	2.4
Final drive	litres	Front: 0.7. Rear 4x4: 1.5
Cooling system	litres	8.0
Fuel tank	litres	—

Notes and Illustrations

