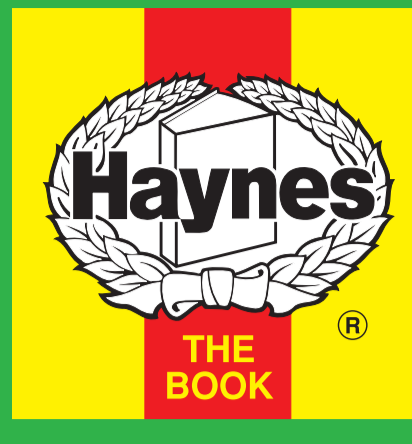


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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.

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HELP

## Engine and cooling system 240, 2.3 & CAT 1987 to 1990

Type		B230K SOHC 8V 85kW
Capacity (cm <sup>3</sup> ) / number of cylinders		2316 / 4
Compression ratio / pressure	bar	10.5 / ≥9.2
Oil pressure	bar	1.0 [2.5 to 8.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.30 to 0.40
- exhaust	mm	0.30 to 0.40
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	86 to 88 or 91 to 93
Radiator cap pressure	bar	0.66 to 0.87

## Fuel system 240, 2.3 & CAT 1987 to 1990

Idle speed - manual [auto]	rpm	800 [900]
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5. CAT: 0.5 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200. CAT: ≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Solex
Type / ref		CISAC
Main jet / needle		142, 125
Injection pressure	bar	—
Pump pressure	bar	0.15 to 0.28
Octane rating	RON	95[E 95 RON] <sup>2</sup>

## Ignition system 240, 2.3 & CAT 1987 to 1990

Type		Rex <sup>1</sup>
Ignition coil		Bosch
Primary resistance	ohms	0.35 to 0.65
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 750±50
V = Vacuum NV = No Vacuum		V
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		WR6DC / N9YC
Electrode gap	mm	0.70 to 0.80

## Electrical system 240, 2.3 & CAT 1987 to 1990

Battery	V / CC / RC	12 / 450 / 90
Alternator voltage / full load current / engine rpm		Various
Starter motor current / voltage - cranking	A / V	Various
- locked	A / V	Various

## Running gear 240, 2.3 & CAT 1987 to 1990

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	3.0

## Tyres

Saloon	Size	175x14
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	1.8 / 1.9
- Estate / Van	bar	1.9 / 2.1

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+24'±8'] PAS: [+16'±8']
Camber		+15' to 1°
Castor		+2° to 3° PAS: +3° to 4°
King pin inclination		—

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	—
Camber		—

## Torque wrench settings 240, 2.3 & CAT 1987 to 1990

Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	110
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	70 N
Front hubs	Nm	68, - 120° & lock
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	115
Spark plugs	Nm	20 to 30

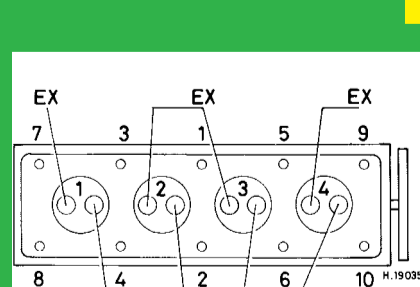
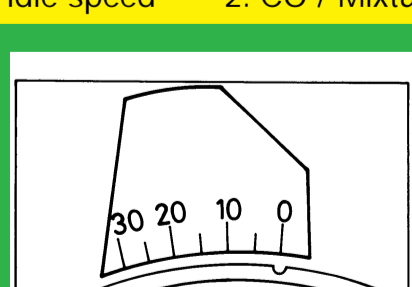
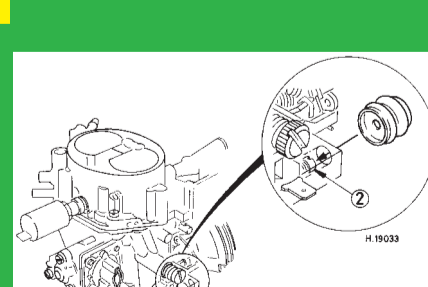
## Capacities 240, 2.3 & CAT 1987 to 1990

Engine oil & filter	litres	3.85
Gearbox - 4-speed [5-speed]	litres	0.75 [1.6]
Automatic transmission - refill	litres	3.9
Final drive	litres	1030: 1.3. 1031/1041: 1.6
Cooling system	litres	9.5. 88 ▶: 8.5
Fuel tank	litres	60

## Notes and Illustrations

<sup>1</sup>Rex<sup>2</sup>CAT: 95[U]

1: Idle speed 2: CO / Mixture

2316 cm<sup>3</sup>2316 cm<sup>3</sup>

Solex CISAC