

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 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

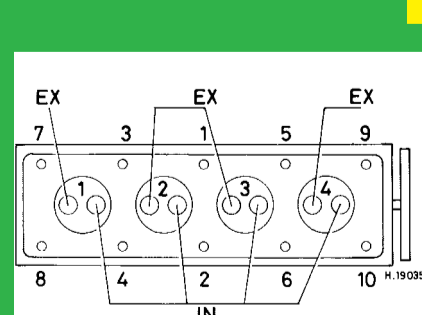
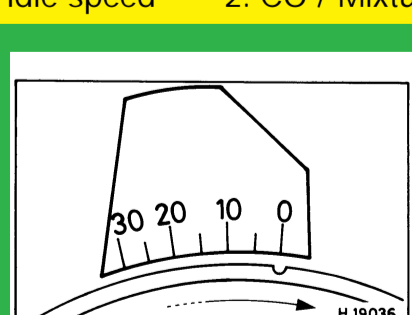
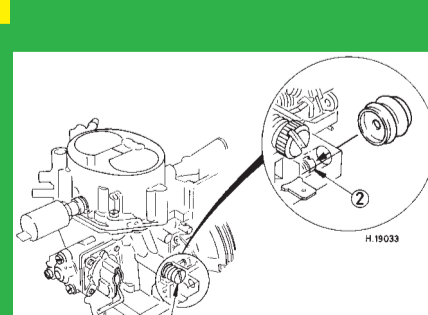
## Capacities 240, 2.3 & CAT 1987 to 1990

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