

Engine & Cooling

Fuel

Ignition

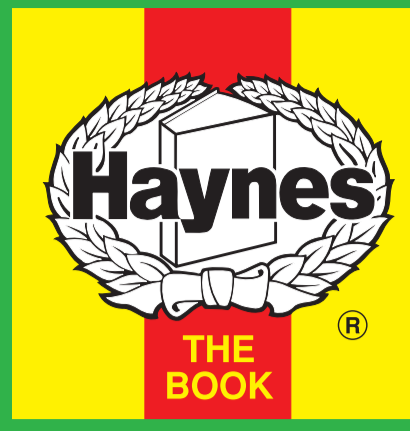
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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

240, 2.3i CAT

1993

Type		B230FD. SOHC 8V. 85kW
Capacity (cm ³) / number of cylinders		2316 / 4
Compression ratio / pressure	bar	10.0 / ≥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 H
- exhaust	mm	0.30 to 0.40 H
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, 2.3i CAT

1993

Idle speed - manual [auto]	rpm	775±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.4 to 0.8 N/A
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		LH2.4-Jetronic
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	1.9 to 3.0
Octane rating	RON	95[U]

Ignition system

240, 2.3i CAT

1993

Type		EZ 116K
Ignition coil		Bosch
Primary resistance	ohms	0.6 to 0.8
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 @ 775±50
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° 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		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

240, 2.3i CAT

1993

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, 2.3i CAT

1993

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

Tyres		
Saloon	Size	175x14: 185/70x14: 195/60x15
Estate / Van	Size	185x14: 195/60x15
Pressure - front / rear - Saloon	bar	1.8 / 1.9
- Estate / Van	bar	1.9 / 2.1. 195/60: 1.8 / 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, 2.3i CAT

1993

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

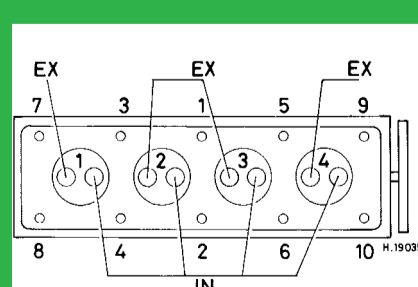
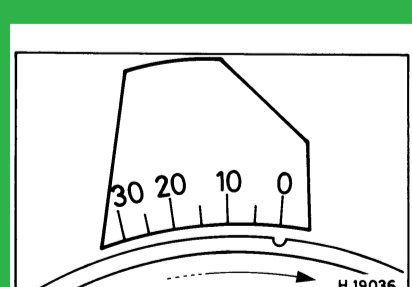
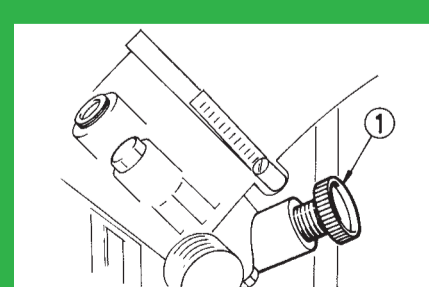
240, 2.3i CAT

1993

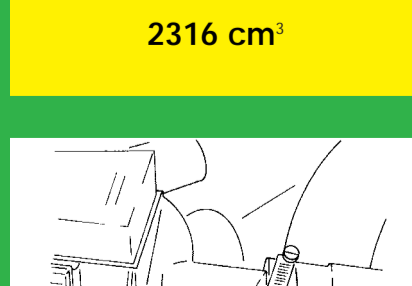
Engine oil & filter	litres	3.85
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	3.9
Final drive	litres	1031: 1.75. 1041: 1.60
Cooling system	litres	8.5
Fuel tank	litres	60

Notes and Illustrations

1: Idle speed 2: CO / Mixture

2316 cm³2316 cm³

LH2.4-Jetronic



LH2.4-Jetronic