

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

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Engine and cooling system Croma 2.5 V6 1993 to 1996

Type	834 G.000 117kW V6	
Capacity (cm ³) / number of cylinders	2492 / 6	
Compression ratio / pressure	bar	10.0
Oil pressure	bar	≥1.5 [5.0]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.475 to 0.50
Valve clearance - exhaust	mm	0.225 to 0.250
Firing order	1-4-2-5-3-6	
No 1 cylinder position	-	
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel system Croma 2.5 V6 1993 to 1996

Idle speed - manual [auto]	rpm	700±50
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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	_ Bosch	
Type / ref	M1.7 Motronic MPI	
Main jet / needle	-	
Injection pressure	bar	3.0
Pump pressure	bar	-
Octane rating	RON	95[U]

Ignition system Croma 2.5 V6 1993 to 1996

Type	Motronic	
Ignition coil	Bosch 0.221.503.417	
Primary resistance	ohms	0.45 to 0.55
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	N/A
V = Vacuum NV = No Vacuum	-	
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Vacuum range check	mbar	-
Maximum vacuum advance	° Crankshaft	-
Spark plugs	_/Champion	
Type	RN7YCC	
Electrode gap	mm	0.70 to 0.80

Electrical system Croma 2.5 V6 1993 to 1996

Battery	V / CC / RC	12 / 320 / 60Ah
Alternator voltage / full load current / engine rpm	14.35 to 14.65v	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Croma 2.5 V6 1993 to 1996

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	195/60x15: 205/55x15
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	-

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		-20'±20'
Castor		2°50'±20'
King pin inclination		-

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	2.0±2.0
Camber		-20'±20'

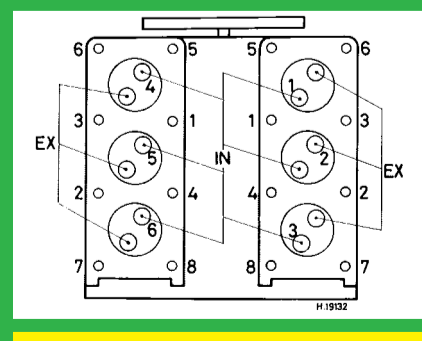
Torque wrench settings Croma 2.5 V6 1993 to 1996

Cylinder head - stage 1	Nm	25
- stage 2	Nm	+240°
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	56.2
Main bearings	Nm	88.3
Clutch cover	Nm	-
Flywheel [driveplate]	Nm	122 locked
Front hubs	Nm	-
Rear hubs	Nm	-
Wheel nuts / bolts	Nm	-
Spark plugs	Nm	32

Capacities Croma 2.5 V6 1993 to 1996

Engine oil & filter	litres	6.6
Gearbox - 4-speed [5-speed]	litres	-
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	10.0
Fuel tank	litres	65

Notes and Illustrations



2492 cm³