

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 Croma 2000 CHT 1986 to 1989

Type		154 A1.000
Capacity (cm <sup>3</sup> ) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.35±0.04
Valve clearance - exhaust	mm	0.40±0.04
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	0.98

## Fuel system Croma 2000 CHT 1986 to 1989

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
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		Weber
Type / ref		34 DAT 54 / 250
Main jet / needle		100, 110
Injection pressure	bar	_
Pump pressure	bar	0.24 to 0.29
Octane rating	RON	98[R]

## Ignition system Croma 2000 CHT 1986 to 1989

Type		AEI
Ignition coil		Marelli BAE 207A
Primary resistance	ohms	0.75 to 0.81
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle
V = Vacuum  NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 4 @ 2100
	° Crankshaft @ rpm	8 to 12 @ 3000
	° Crankshaft @ rpm	13 to 17 @ 4500
Vacuum range check	mbar	67 to 427
Maximum vacuum advance	° Crankshaft	8 to 10
Spark plugs		Bosch/Champion
Type		WR6DC / RN7YC
Electrode gap	mm	0.60 to 0.70

## Electrical system Croma 2000 CHT 1986 to 1989

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3500
Starter motor current / voltage - cranking	A / V	270 / 9.2
- locked	A / V	_

## Running gear Croma 2000 CHT 1986 to 1989

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

<b>Tyres</b>		
Saloon	Size	175/70x14: 195/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	175: 2.0 / 2.0 <sup>1</sup>
- Estate / Van	bar	_

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		-20'±20'
Castor		+2°30' to 3°10'
King pin inclination		_

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 5.0
Camber		-20'±20'

## Torque wrench settings Croma 2000 CHT 1986 to 1989

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	74
Main bearings	Nm	20 <sup>2</sup>
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	142
Front hubs	Nm	360
Rear hubs	Nm	320
Wheel nuts / bolts	Nm	98
Spark plugs	Nm	25 to 30

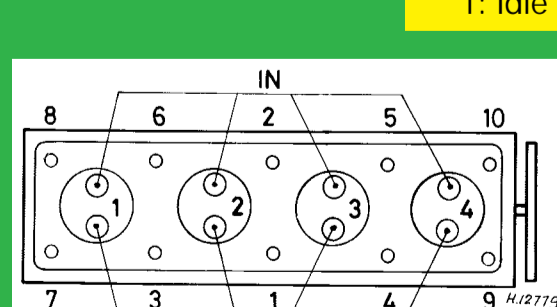
## Capacities Croma 2000 CHT 1986 to 1989

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	1.5 to 1.6
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	70

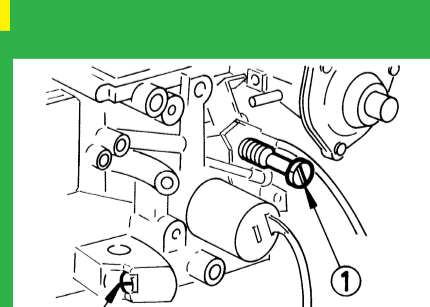
## Notes and Illustrations

<sup>1</sup>195: 2.2 / 2.2  
<sup>2</sup>Centre bearing: + 120°. Others: + 80°

1: Idle speed    2: CO / Mixture



1995 cm<sup>3</sup>, 8V



Weber DAT