

Engine & Cooling

Fuel

Ignition

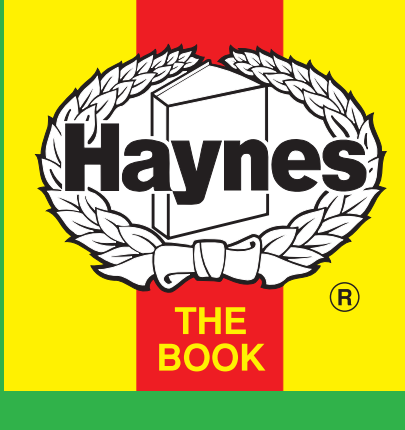
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Croma 2000 CHT

1989 to 1991

Type		154 C2.000 DOHC 8V 72kW
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.5±0.15 / _
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

1989 to 1991

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		34 DAT 55/150
Main jet / needle		95, 105
Injection pressure	bar	_
Pump pressure	bar	0.24 to 0.29
Octane rating	RON	98[E 95 RON]

Ignition system

Croma 2000 CHT

1989 to 1991

Type		Digiplex 2
Ignition coil		Marelli BAE 504D
Primary resistance	ohms	0.405 to 0.495
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±2 BTDC @ 500 to 1000
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	32±2 BTDC @ 5000
	° 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 / RN7YCC
Electrode gap	mm	0.85 to 0.95

Electrical system

Croma 2000 CHT

1989 to 1991

Battery	V / CC / RC	12 / 210 / 65 (45Ah)
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 65, 70 / 3500
Starter motor current / voltage - cranking	A / V	270 / 9.2
- locked	A / V	_

Running gear

Croma 2000 CHT

1989 to 1991

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

Tyres		
Saloon	Size	175/70x14: 195/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	175: 2.0 / 2.0¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		-20'±20'
Castor		+1°50' to 2°30'
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

1989 to 1991

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	25 + 50°
Main bearings	Nm	20²
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	142
Front hubs	Nm	450 locked³
Rear hubs	Nm	320
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

Capacities

Croma 2000 CHT

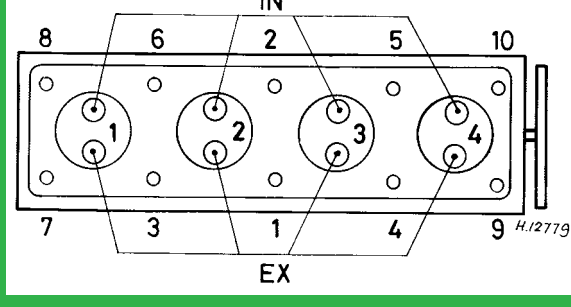
1989 to 1991

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	1.75
Automatic transmission - refill	litres	3.3
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	70

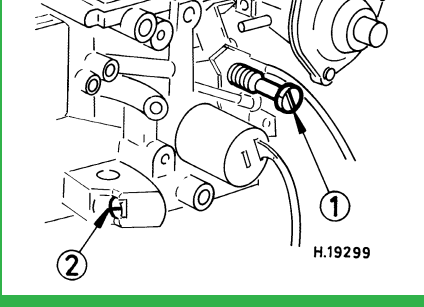
Notes and Illustrations

¹195: 2.2 / 2.2
²Centre bearing: + 120°. Others: + 80°
³Chassis no. 290 838 ►: 360

1: Idle speed 2: CO / Mixture



1995 cm³, 8V



Weber DAT