

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustration
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HELP

151-01-222-14 UNK/DOUG

type		154 C4.000 114kW DOHC
Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	8.0±0.15 / _
Oil pressure	bar	[2.8 to 5.5]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.34±0.04
Valve clearance - exhaust	mm	0.39±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 2.0ie Turbo	1990 to 1992
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Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.3
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		Bosch
Type / ref		LE2-Jetronic plus Turbo
Main jet / needle		
Injection pressure	bar	3.0±0.2
Pump pressure	bar	≤4.5
Octane rating	RON	95[E 95 RON]

Ignition system	Croma 2.0ie Turbo	1990 to 1992
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Type		Microplex
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	3±1.5 BTDC @ 0 to 2500
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	37±1.5 @ 3500 to 4000
	° 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
Type		WR6DTC
Electrode gap	mm	0.80 to 1.00

Electrical system	Croma 2.0ie Turbo	1990 to 1992
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Battery	V / CC / RC	12 / 320 / 60
Alternator voltage / full load current / engine rpm		14.3 to 14.6 / 65, 90 / 3500
Starter motor current / voltage - cranking	A / V	280 to 360 / 8.15
Starter motor current / voltage - locked	A / V	680 to 700 / 4.0

Running gear	Croma 2.0ie Turbo	1990 to 1992
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Brakes -

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

Tyres

Saloon	Size	195/60x14
Estate / Van	Size	

Pressure - front / rear - Saloon	bar	2.2 / 2.2
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- Estate / Van	bar	–
Front suspension / wheel alignment		

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		-20'±20'

Castor	+2°50'±20'
King pin inclination	

Rear suspension / Wheel alignment

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

Torque wrench settings	Croma 2.0ie Turbo	1990 to 1992
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Cylinder head - stage 1	Nm	20
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- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°

- stage 4	Nm	+ 90°
Big-end bearings	Nm	25 + 50°

Main bearings	Nm	20 ¹
Clutch cover	Nm	20

Flywheel [driveplate]	Nm	142
Front hubs	Nm	360 locked

Rear hubs	Nm	320
Wheel nuts / bolts	Nm	86

Wheel nuts / bolts	Nm	33
Spark plugs	Nm	37

Capacities		Croma 2.0ie Turbo	1990 to 1992
Engine oil & filter	litres	5.5	

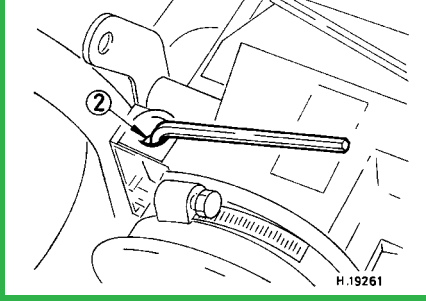
Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	1.5 to 1.6
Automatic transmission oil	litres	2.2

Automatic transmission - refill	litres	3.3
Final drive	litres	WT
Oil - engine	litres	3.3

Fuel tank	litres	70
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¹Centre bearing: + 120°. Others: + 80°

1: Idle speed 2: CO / Mixture



LE2-Jetronic