

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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 Chimaera 5.0 1995 to 1997

Type	V8 OHV 253kW	
Capacity (cm ³) / number of cylinders	4998 / 8	
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	_
Oil temperature	°C	_
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-8-4-3-6-5-7-2	
No 1 cylinder position	FL	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	10.3

Fuel system Chimaera 5.0 1995 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 WSM
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	_Lucas	
Type / ref	Hot wire	
Main jet / needle	_	
Injection pressure	bar	2.5 to 2.6
Pump pressure	bar	_
Octane rating	RON	98[U]

Ignition system Chimaera 5.0 1995 to 1997

Type	Electronic	
Ignition coil	Bosch	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Lucas	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control WSM
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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	NGK	
Type	B7ECS	
Electrode gap	mm	0.60 to 0.88

Electrical system Chimaera 5.0 1995 to 1997

Battery	V / CC / RC	12 /
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 70A	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Chimaera 5.0 1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	205/60x15; 225/55x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.5 / 1.7
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+20']
Camber	-30' to -1°	
Castor	4°	
King pin inclination	13°20'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+10'] PW
Camber	-30' to -1°	

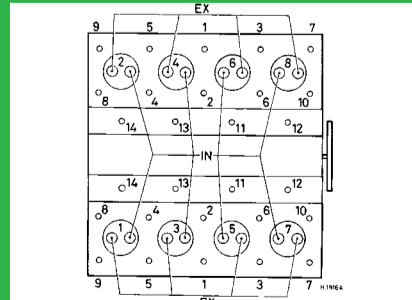
Torque wrench settings Chimaera 5.0 1995 to 1997

Cylinder head - stage 1	Nm	95 Short: 48
- stage 2	Nm	_
- stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	47
Main bearings	Nm	95
Clutch cover	Nm	27
Flywheel [driveplate]	Nm	81
Front hubs	Nm	310 to 350
Rear hubs	Nm	310 to 350
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	17

Capacities Chimaera 5.0 1995 to 1997

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	1.5
Cooling system	litres	9.3
Fuel tank	litres	57

Notes and Illustrations

4998 cm³