

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 Galaxy 2.3 16V 1996 to 1997

Type	Y5B DOHC 16V 108kW. EEC96	
Capacity (cm ³) / number of cylinders	2295 / 4	
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	1.6 [3.1 @ 2000]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	_
Radiator cap pressure	bar	_

Fuel system Galaxy 2.3 16V 1996 to 1997

Idle speed - manual [auto]	rpm	875±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	_Ford	
Type / ref	EEC V SEFI	
Main jet / needle	_	
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Galaxy 2.3 16V 1996 to 1997

Type	EEC V	
Ignition coil	_	
Primary resistance	ohms	_
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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control N/A
Total ignition advance	° Crankshaft @ rpm	Computer control
Centrifugal check.	° Crankshaft @ rpm	Computer control
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	Motorcraft	
Type	AGPR22P1	
Electrode gap	mm	1.00

Electrical system Galaxy 2.3 16V 1996 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm	_	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Galaxy 2.3 16V 1996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	7.0
Rear (min. friction material thickness)	mm	7.0

Tyres		
Saloon	Size	_
Estate / Van	Size	195/65x15:205/60x15:215/60x15
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.6 / 2.4, 205: 2.7 / 2.5 ¹

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+10'±20'
Camber		-20'±45'
Castor		3°20'±40'
King pin inclination	_	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±25'
Camber		-20'±30'

Torque wrench settings Galaxy 2.3 16V 1996 to 1997

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	55
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	7 then 16 + 90° N
Main bearings	Nm	97 N
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	87
Front hubs	Nm	150 + 90°
Rear hubs	Nm	200
Wheel nuts / bolts	Nm	140
Spark plugs	Nm	18

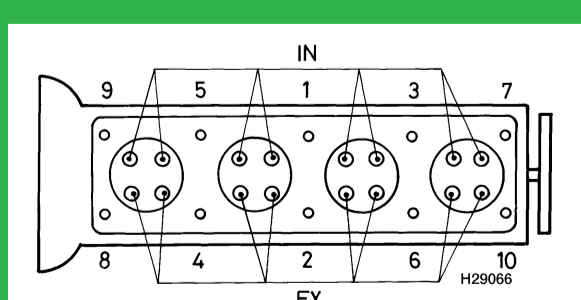
Capacities Galaxy 2.3 16V 1996 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	3.5
Final drive	litres	WT. AT: 0.8
Cooling system	litres	MT: 8.6. 2 heaters: 10.4 ²
Fuel tank	litres	70

Notes and Illustrations

¹215/60x15: 2.3 / 2.1

²AT: 8.9. 2 heaters: 10.7



2295 cm³, 16V