

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 Laguna 2.0i (B56C/H/N) 1994 to 1997

Type		F3R-7-23/-7-22 85kW SOHC 8V
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.2 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.2

Fuel system Laguna 2.0i (B56C/H/N) 1994 to 1997

Idle speed - manual [auto]	rpm	830±50 [750±50] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
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		_Siemens Bendix
Type / ref		MPI
Main jet / needle		_
Injection pressure	bar	2.5±0.2
Pump pressure	bar	3.0±0.2
Octane rating	RON	95[U]

Ignition system Laguna 2.0i (B56C/H/N) 1994 to 1997

Type		Computerized
Ignition coil		_
Primary resistance	ohms	0.4 to 0.8
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	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
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		_/Bosch/Champion
Type		W7DCO / N7YCX
Electrode gap	mm	0.75 to 0.85

Electrical system Laguna 2.0i (B56C/H/N) 1994 to 1997

Battery	V / CC / RC	12V 50/60AH
Alternator voltage / full load current / engine rpm		13.5/110
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Laguna 2.0i (B56C/H/N) 1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	6.0 with backing

Tyres		
Saloon	Size	185/65x14:195/65x14:205/60x15
Estate / Van	Size	185/65x14: 195/65x14
Pressure - front / rear - Saloon	bar	2.3 / 2.3. 205: 2.5 / 2.3
- Estate / Van	bar	Refer to vehicle

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.0±1.0	Est: -1.0±1.0
Camber		-9'±30'	
Castor		3°±30'	Est: 4°±30'
King pin inclination		11°52'±30'	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-3.0±1.0
Camber		-1°15'±10'

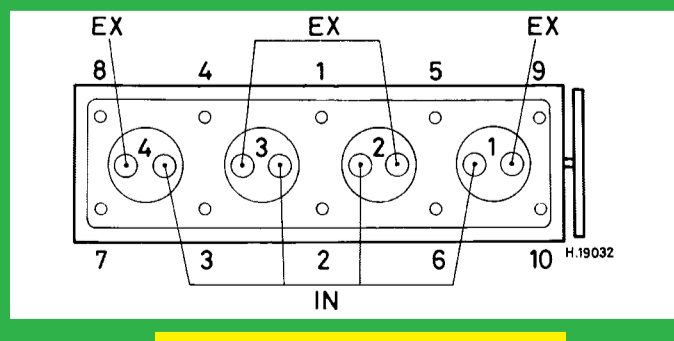
Torque wrench settings Laguna 2.0i (B56C/H/N) 1994 to 1997

Cylinder head - stage 1	Nm	30
- stage 2	Nm	+ 50±4°
Cylinder head - stage 3	Nm	Wait 3 mins, then -180°
- stage 4	Nm	25 + 123±7°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	60 to 65
Clutch cover	Nm	26 to 28
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	190
Wheel nuts / bolts	Nm	90 to 100
Spark plugs	Nm	20 to 30

Capacities Laguna 2.0i (B56C/H/N) 1994 to 1997

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	3.5
Final drive	litres	WT. AT: 1.0
Cooling system	litres	9.0
Fuel tank	litres	66

Notes and Illustrations



1998 cm³, 8V