

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 1.8i (B56B/A) 1994 to 1997

Type		F3P-7-24/-7-20 70kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1794 / 4
Compression ratio / pressure	bar	9.7 / _
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 1.8i (B56B/A) 1994 to 1997

Idle speed - manual [auto]	rpm	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 <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		Monopoint SPI
Main jet / needle		_
Injection pressure	bar	1.06±0.05
Pump pressure	bar	1.06 ± 0.05
Octane rating	RON	95[U]

### Ignition system Laguna 1.8i (B56B/A) 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 1.8i (B56B/A) 1994 to 1997

Battery	V / CC / RC	12V 50/60Ah
Alternator voltage / full load current / engine rpm		60 / 80A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

### Running gear Laguna 1.8i (B56B/A) 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	6.0 with backing

<b>Tyres</b>		
Saloon	Size	185/65x14: 195/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	1.0±1.0
Camber		-9'±30' N/A
Castor		3°±30' N/A
King pin inclination		11°52'±30' N/A

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0±1.0 N/A
Camber		-1°15'±10' N/A

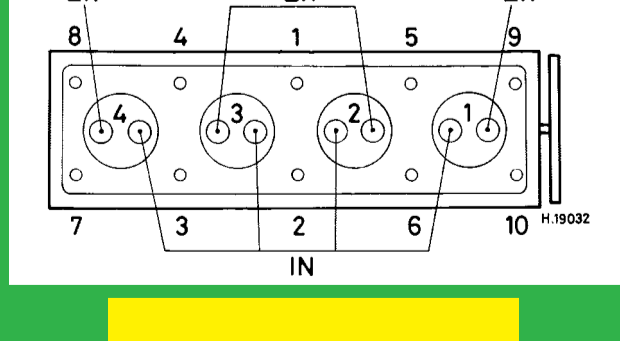
### Torque wrench settings Laguna 1.8i (B56B/A) 1994 to 1997

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken
- stage 4	Nm	20 +123° ± 2°
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 1.8i (B56B/A) 1994 to 1997

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.5
Fuel tank	litres	66

### Notes and Illustrations



**1794 cm<sup>3</sup>, 8V**