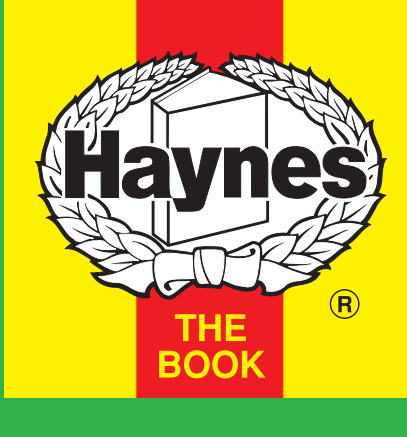


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

Laguna 2.0i 16V (B56D/M)

1996 to 1997

Type		N7Q 700/704 DOHC 16V
Capacity (cm ³) / number of cylinders		1948 / 4
Compression ratio / pressure	bar	10.5 / _
Oil pressure	bar	0.8 [3.2]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.20

Fuel system

Laguna 2.0i 16V (B56D/M)

1996 to 1997

Idle speed - manual [auto]	rpm	850±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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥14.5
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Siemens Bendix
Type / ref		SEFI
Main jet / needle		_
Injection pressure	bar	2.5±0.2
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

Laguna 2.0i 16V (B56D/M)

1996 to 1997

Type		Computerized
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	° 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		Eyquem
Type		RFC52LS3
Electrode gap	mm	1.20

Electrical system

Laguna 2.0i 16V (B56D/M)

1996 to 1997

Battery	V / CC / RC	12 / 50, 60Ah
Alternator voltage / full load current / engine rpm		14.8 / 100 /
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

Laguna 2.0i 16V (B56D/M)

1996 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	195/60x15:195/65x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2:2.4 / 2.1:2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-0°10'±10'
Camber		-9'±30'
Castor		3°±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 16V (B56D/M)

1996 to 1997

Cylinder head - stage 1	Nm	20 oiled N
- stage 2	Nm	60 wait 3 mins
Cylinder head - stage 3	Nm	+150°±5°
- stage 4	Nm	_
Big-end bearings	Nm	45 to 50
Main bearings	Nm	60 to 65
Clutch cover	Nm	26 to 28
Flywheel [driveplate]	Nm	55
Front hubs	Nm	250
Rear hubs	Nm	190
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	25 to 30

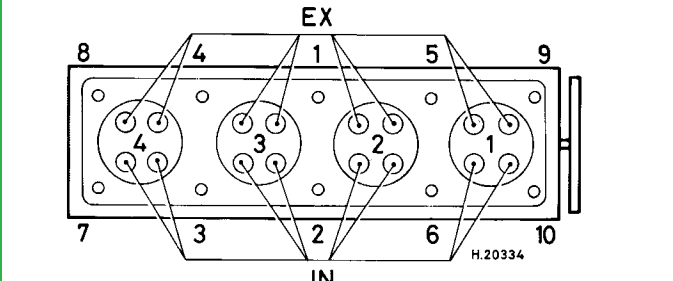
Capacities

Laguna 2.0i 16V (B56D/M)

1996 to 1997

Engine oil & filter	litres	5.9
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	66

Notes and Illustrations



1948 cm³ 16V