

Engine & Cooling

Fuel

Ignition

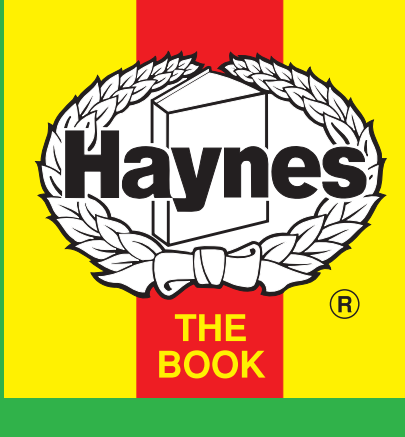
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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

Lantra 1.6

1996 to 1997

Type		G4GR DOHC 16V
Capacity (cm³) / number of cylinders		1599 / 4
Compression ratio / pressure	bar	9.85 / ≥13.7
Oil pressure	bar	1.7
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		TBE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.8 to 1.1

Fuel system

Lantra 1.6

1996 to 1997

Idle speed - manual [auto]	rpm	800±100
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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		_Hyundai
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	3.0
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

Lantra 1.6

1996 to 1997

Type		DIS
Ignition coil		—
Primary resistance	ohms	0.5±0.05
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	7°±5° BTDC @ 800±100
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		NGK/Champion
Type		BKR5RS-11 / RN9YC4
Electrode gap	mm	1.0 to 1.1

Electrical system

Lantra 1.6

1996 to 1997

Battery	V / CC / RC	60Ah
Alternator voltage / full load current / engine rpm		14.4 / 90A
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Lantra 1.6

1996 to 1997

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

Tyres		
Saloon	Size	175/65x14:195/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0.0±3.0
Camber		0°0'±30'
Castor		2°21'±30'
King pin inclination		12°21'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	5.0±2.0
Camber		-42'±30'

Torque wrench settings

Lantra 1.6

1996 to 1997

Cylinder head - stage 1	Nm	M10: 30 M12: 35
- stage 2	Nm	+60° to 65°
Cylinder head - stage 3	Nm	+60° to 65°
- stage 4	Nm	—
Big-end bearings	Nm	50 to 53
Main bearings	Nm	27 to 33 +60° to 65°
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	120 to 130
Front hubs	Nm	200 to 260
Rear hubs	Nm	180 to 220
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	20 to 30

Capacities

Lantra 1.6

1996 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.15
Automatic transmission - refill	litres	6.6
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	55

Notes and Illustrations

