DAEWOO

Espero 1.8

1995 to 1997

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

Espero 1.8 1995 to 1997

Type		SOHC 8V 71kW
Capacity (cm³) / number of cylinders		1796 / 4
Compression ratio / pressure	bar	8.8 / _
Oil pressure	bar	_
Oil temperature	ºC	_
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	ºC	87
Radiator cap pressure	bar	0.90 to 1.20

Fuel system

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

Ignition system

Espero 1.8 1995 to 1997

Type		Electronic
Ignition coil		_
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	15 BTDC @ 850±50
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		AC
Type		R43XLS
Electrode gap	mm	1.09 to 1.22

Electrical system

Espero 1.8 1995 to 1997

Battery	V / CC / RC	12 / 55 / 270
Alternator voltage / full load current / engine rpm		_ / 85 / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.4
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	0±1.0
Camber		-25'±45'
Castor		+2°30'±30'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+1.0 to +4.0
Camber		-1.0 to 0

Torque wrench settings

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Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+60° + 60°
- stage 4	Nm	Warm up, + 30° to 50°
Big-end bearings	Nm	35 + 40° to 45° N
Main bearings	Nm	95 N
Clutch cover	Nm	35
Flywheel [driveplate]	Nm	75 N
Front hubs	Nm	100, slacken, then 20 + 90°
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	20

Capacities

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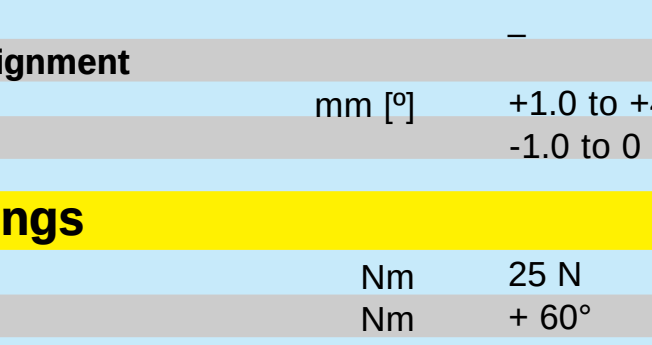
Engine oil & filter	litres	3.85
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	6.5 to 7.0
Final drive	litres	WT
Cooling system	litres	7.3
Fuel tank	litres	50

Notes and Illustrations



1796 cm³