

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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 Xantia V6 1997

Type		ES9J4/L3 (XFZ) 140kW
Capacity (cm ³) / number of cylinders		2946 / 6
Compression ratio / pressure	bar	10.5 / _
Oil pressure	bar	2.0 [5.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	1.40

Fuel system Xantia V6 1997

Idle speed - manual [auto]	rpm	600±50. A/C: 700±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥11.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		MP7.0-Motronic MPI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system Xantia V6 1997

Type		Direct electronic
Ignition coil		Sagem BBC 3.2
Primary resistance	ohms	0.65
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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control N/A
Total ignition advance	° Crankshaft @ rpm	_
	° 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/Bosch
Type		RFC58LSPD / FR7KDC
Electrode gap	mm	1.00

Electrical system Xantia V6 1997

Battery	V / CC / RC	(12L2 300)
Alternator voltage / full load current / engine rpm		13.0 / 80. A/C: 90 / 1850
Starter motor current / voltage - cranking	A / V	300
- locked	A / V	_

Running gear Xantia V6 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.3 / 2.1
- Estate / Van	bar	Refer to car
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30' N/A
Castor		+3°±30' N/A
King pin inclination		+13°15'±30' N/A
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 6.0 N/A
Camber		-1°15'±20' N/A

Torque wrench settings Xantia V6 1997

Cylinder head - stage 1	Nm	Bolt length ≤149.5 mm20
- stage 2	Nm	20, then slacken
Cylinder head - stage 3	Nm	15
- stage 4	Nm	+ 225°
Big-end bearings	Nm	20 + 74°
Main bearings	Nm	WSM
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	10 + 60°
Front hubs	Nm	320
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities Xantia V6 1997

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	10.0
Fuel tank	litres	65

Notes and Illustrations

