

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 Xantia 1.8i 16V 1995 to 1997

Type	XU7JP4/L3 (LFY) 81kW EEC96	
Capacity (cm <sup>3</sup> ) / number of cylinders	1761 / 4	
Compression ratio / pressure	bar	10.4 / _
Oil pressure	bar	[6.0]
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	FE	
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.4

## Fuel system Xantia 1.8i 16V 1995 to 1997

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥11.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	MP5.1.1-Motronic MPI	
Main jet / needle	_	
Injection pressure	bar	3.0
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

## Ignition system Xantia 1.8i 16V 1995 to 1997

Type	Motronic Static	
Ignition coil	2x Bosch. Valeo BAE 04	
Primary resistance	ohms	0.7
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
Total ignition advance	° Crankshaft @ rpm	Computer control
Centrifugal check.	° Crankshaft @ rpm	Computer control
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	Bosch/Eyquem	
Type	FR8LDC / RFC42LS2E	
Electrode gap	mm	0.90

## Electrical system Xantia 1.8i 16V 1995 to 1997

Battery	V / CC / RC	(12L1 250, 12L2 300)
Alternator voltage / full load current / engine rpm	13.0 / 75, 92 / 1850	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

## Running gear Xantia 1.8i 16V 1995 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0
<b>Tyres</b>		
Saloon	Size	175/70x14: 185/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.1
- Estate / Van	bar	_
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber	0±30' N/A	
Castor	+1°±30'. PAS/96 ▶: +3°±30'	
King pin inclination	+13°20'±30'. 96 ▶: 13°15'±35'	
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 6.0 N/A
Camber	-1°15'±20' N/A	

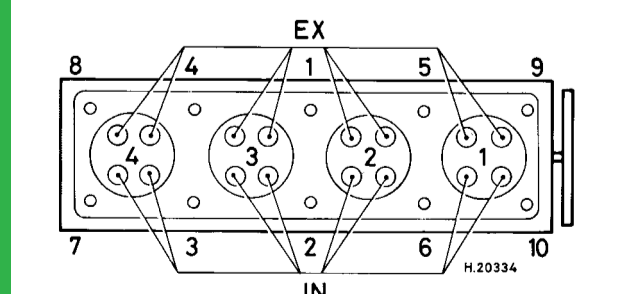
## Torque wrench settings Xantia 1.8i 16V 1995 to 1997

Cylinder head - stage 1	Nm	60. Bolts: ≤160.5mm
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°±3°
Big-end bearings	Nm	40, slacken, then 20 + 70°
Main bearings	Nm	55
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

## Capacities Xantia 1.8i 16V 1995 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.8
Fuel tank	litres	65

## Notes and Illustrations



1761 cm<sup>3</sup>, DOHC 16V