

Engine & Cooling

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Engine and cooling system

Xantia 2.0i 16V & Activa

1995 to 1997

Type		XU10J4R/Z/L3 (RFV) 97kW EC96
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.4 / _
Oil pressure	bar	[5.5]
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 2.0i 16V & Activa

1995 to 1997

Idle speed - manual [auto]	rpm	800±50 N/A
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	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	≥11.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		MP5.1.1-Motronic
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system

Xantia 2.0i 16V & Activa

1995 to 1997

Type		Direct electronic
Ignition coil		4xValeo BAE 01 (1 per plug)
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	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
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		Bosch/Eyquem
Type		FR8LDC / RFC42LS2E
Electrode gap	mm	0.90

Electrical system

Xantia 2.0i 16V & Activa

1995 to 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 2.0i 16V & Activa

1995 to 1997

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

Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	185/65x15
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'. Activa: +3°20'±30'
King pin inclination		+13°20'±30'. 96 ►: 13°15'±30'
Rear suspension / wheel alignment		+1.0 to 6.0 N/A
Toe-in (+) / Toe-out (-)	mm [°]	-1°15'±20' N/A
Camber		

Torque wrench settings

Xantia 2.0i 16V & Activa

1995 to 1997

Cylinder head - stage 1	Nm	Bolts: ≤112mm
- stage 2	Nm	35
Cylinder head - stage 3	Nm	70
- stage 4	Nm	+160°
Big-end bearings	Nm	40, then slacken¹
Main bearings	Nm	70
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 2.0i 16V & Activa

1995 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.5. A/c: 8.0.Some models: 8.5
Fuel tank	litres	65

Notes and Illustrations

¹Activa: +13°50'±30'

²Then 20 + 70°

