

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 systemXantia 1.8i1993 to 1997

Type		XU7JP/Z/L3 (LFZ) 74kW EEC96
Capacity (cm³) / number of cylinders		1761 / 4
Compression ratio / pressure	bar	9.25 / _
Oil pressure	bar	[5.3]
Oil temperature	°C	80
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	89
Radiator cap pressure	bar	1.4

Fuel systemXantia 1.8i1993 to 1997

Idle speed - manual [auto]	rpm	850±50 [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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥11.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch¹
Type / ref		MP5.1-Motronic MPI¹
Main jet / needle		_
Injection pressure	bar	2.0 to 2.5
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition systemXantia 1.8i1993 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	° Crankshaft @ rpm	Computer control
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 systemXantia 1.8i1993 to 1997

Battery	V / CC / RC	(12L1 250, 12L2 300)
Alternator voltage / full load current / engine rpm		13.0 / 80. AC:90 / 1850
Starter motor current / voltage - cranking	A / V	300
- locked	A / V	_

Running gearXantia 1.8i1993 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.0. Break: 2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	175/70x14: 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		+1°±30'. PAS/96 ►: +3°±30'
King pin inclination		+13°20'±30'. 96 ►: 13°15'±35'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 6.0 N/A
Camber		-1°15'±20' N/A

Torque wrench settingsXantia 1.8i1993 to 1997

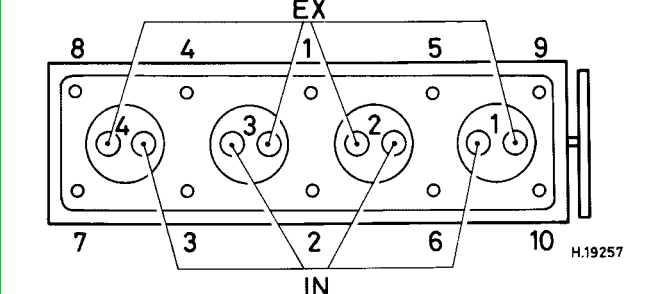
Cylinder head - stage 1	Nm	60. Bolts: ≤176.5mm
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	40, slacken, then 20 + 70°
Main bearings	Nm	55
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

CapacitiesXantia 1.8i1993 to 1997

Engine oil & filter	litres	4.75
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	7.0. A/c: 8.0. AT: 8.3
Fuel tank	litres	65

Notes and Illustrations

¹or Magneti Marelli MMDCM 8P10



1761 cm³, SOHC 8V