Automotive Technical DATA BOOK

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MENU HELP

Engine and cooling system — 406, 1.8 16V — 1995 to 1997

Type		XU7JP4L/L3(LFY) 16V 81kW
Capacity (cm³) / number of cylinders		1761 / 4
Compression ratio / pressure	bar	10.4 /_
Oil pressure	bar	2.0 [5.0]
Oil temperature	ºC	80
Valve clearance - inlet	mm	0: Hydraulic adjusters
Valve clearance - exhaust	mm	0: Hydraulic adjusters
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	ºC	83
Radiator cap pressure	bar	1.4

Fuel system — 406, 1.8 16V — 1995 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.4 N/A
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		_Bosch
Type / ref		MP5.1.1
Main jet / needle		_
Injection pressure	bar	2.7 to 3.3
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system — 406, 1.8 16V — 1995 to 1997

Type		Motronic
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	Computer control N/A
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		Bosch/Champion
Type		FR8LDC / RC9YCC
Electrode gap	mm	0.90

Electrical system — 406, 1.8 16V — 1995 to 1997

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

Running gear — 406, 1.8 16V — 1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	185/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+0.0±0.5
Camber		0°±30’
Castor		3°30’±30’
King pin inclination		11°30’±30’
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+1.5±0.5
Camber		1°50’±30’

Torque wrench settings — 406, 1.8 16V — 1995 to 1997

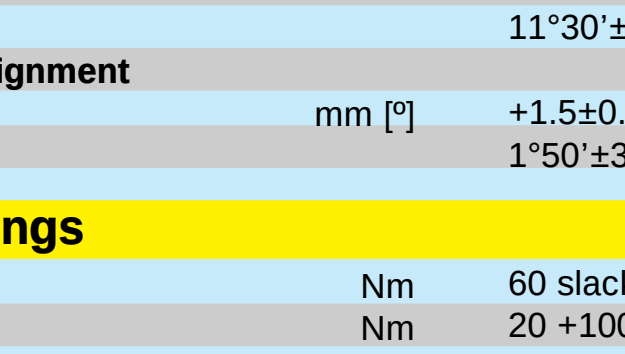
Cylinder head - stage 1	Nm	60 slacken [1]
- stage 2	Nm	20 +100°
Cylinder head - stage 3	Nm	+100°
- stage 4	Nm	+100°
Big-end bearings	Nm	20 +70°
Main bearings	Nm	55
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	50 LcK
Front hubs	Nm	325
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	27

Capacities — 406, 1.8 16V — 1995 to 1997

Engine oil & filter	litres	4.25	Steel sump: 4.75
Gearbox - 4-speed [5-speed]	litres	2.0	
Automatic transmission - refill	litres	_	
Final drive	litres	WT	
Cooling system	litres	7.0	
Fuel tank	litres	70	

Notes and Illustrations

[1]Slackening and angle tightening sequence must be carried out bolt by bolt.Bolt shank length ≤160mm



1761 cm³, DOHC 16V