

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 system XM 2.0i 16V 1994 to 1997

Type		XU10J4R/L/Z/L3 (RFV) 97.4kW
Capacity (cm <sup>3</sup> ) / 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 XM 2.0i 16V 1994 to 1997

Idle speed - manual [auto]	rpm	800±50. A/C: 880±50. [750±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	≤100
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
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	3.0
Octane rating	RON	95[U]

## Ignition system XM 2.0i 16V 1994 to 1997

Type		Direct electronic
Ignition coil		4xValeo BAE01 (1 per cylinder)
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	Computer control
	° 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 XM 2.0i 16V 1994 to 1997

Battery	V / CC / RC	12 / 250, 300 / _
Alternator voltage / full load current / engine rpm		13.5 / 80, 90, 120 / 3000
Starter motor current / voltage - cranking	A / V	300
- locked	A / V	_

## Running gear XM 2.0i 16V 1994 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	195/65x15
Estate / Van	Size	195/65x15
Pressure - front / rear - Saloon	bar	2.3 / 1.9
- Estate / Van	bar	2.4 / 2.4

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0'±30' N/A
Castor		+2°30'±30' N/A
King pin inclination		+13°15' N/A

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 6.5 N/A
Camber		+50'±20' N/A

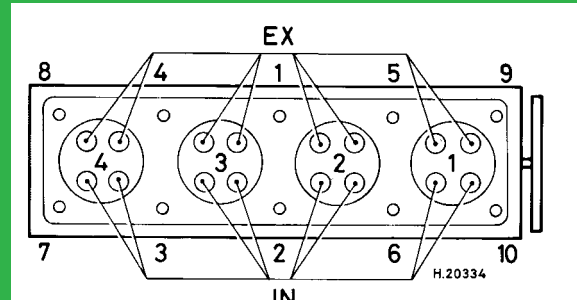
## Torque wrench settings XM 2.0i 16V 1994 to 1997

Cylinder head - stage 1	Nm	35. Bolts ≤112mm
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+160°
- stage 4	Nm	_
Big-end bearings	Nm	50
Main bearings	Nm	75
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

## Capacities XM 2.0i 16V 1994 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	8.8. According to model: 11.5
Fuel tank	litres	80

## Notes and Illustrations



1998 cm<sup>3</sup>, DOHC 16V