

Engine & Cooling

Fuel

Ignition

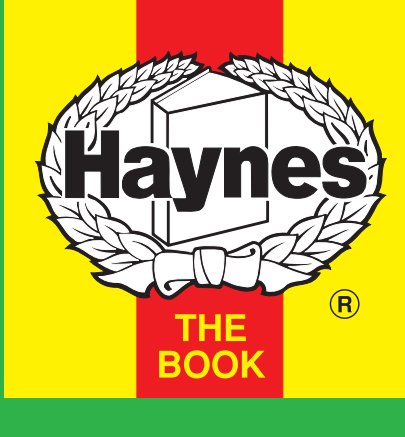
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

XM 2.0i Turbo CT

1994 to 1997

Type		XU10J2TE/L/Z/L3 (RGX) 108kW
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	7.9 / _
Oil pressure	bar	[6.4]
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 system

XM 2.0i Turbo CT

1994 to 1997

Idle speed - manual [auto]	rpm	800±50. A/C: 900±50. [850±50]
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
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		_ Bosch
Type / ref		MP3.2-Motronic
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system

XM 2.0i Turbo CT

1994 to 1997

Type		Static
Ignition coil		2xValeo BAE04
Primary resistance	ohms	0.5 to 0.8
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		Eyquem/Bosch
Type		RFC58LS2E / FR6LDC
Electrode gap	mm	0.90

Electrical system

XM 2.0i Turbo CT

1994 to 1997

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

Running gear

XM 2.0i Turbo CT

1994 to 1997

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

Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.4 / 2.0
- Estate / Van	bar	2.4 / 2.4

Front suspension / wheel alignment		
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

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

Torque wrench settings

XM 2.0i Turbo CT

1994 to 1997

Cylinder head - stage 1	Nm	Bolts ≤122mm: 35
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+160°
- stage 4	Nm	_
Big-end bearings	Nm	40, slacken, 20 + 70°
Main bearings	Nm	70
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

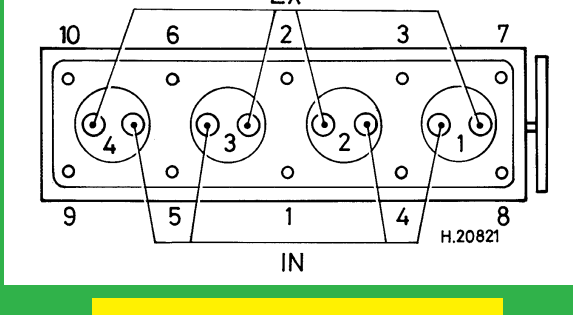
XM 2.0i Turbo CT

1994 to 1997

Engine oil & filter	litres	4.75. A/C: 4.5
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	10.8. A/C: 11.3
Fuel tank	litres	80

Notes and Illustrations

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1998 cm³, SOHC 8V