

Automotive  
Technical  
DATA  
BOOK

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HELP

Engine and cooling system

XM, 2.0i

1989 to 1992

Type		XU10J2 (R6A) 94kW 15.04
Capacity (cm <sup>3</sup> ) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	8.8 / _
Oil pressure	bar	[≥4.0]
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

1989 to 1992

Idle speed - manual [auto]	rpm	850±50 [950±50. A/C: 1050±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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		LE2-Jetronic MPI
Main jet / needle		_
Injection pressure	bar	2.5 to 3.0
Pump pressure	bar	3.0
Octane rating	RON	95[E 95 RON]

Ignition system

XM, 2.0i

1989 to 1992

Type		Electronic
Ignition coil		Ducellier BTR 05
Primary resistance	ohms	0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	5 BTDC @ 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C059-D045
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1300
	° Crankshaft @ rpm	10 @ 1700 to 1900
	° Crankshaft @ rpm	22 to 26 @ 2800
Vacuum range check	mbar	183 to 250
Maximum vacuum advance	° Crankshaft	5 to 9
Spark plugs		Bosch/Champion
Type		F6DCOR / C7YCX
Electrode gap	mm	0.80

Electrical system

XM, 2.0i

1989 to 1992

Battery	V / CC / RC	12 / 250 / _, 300 / _
Alternator voltage / full load current / engine rpm		13.5 / 75, 90 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

XM, 2.0i

1989 to 1992

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

Tyres		
Saloon	Size	195/60x15
Estate / Van	Size	195/65x15
Pressure - front / rear - Saloon	bar	2.1 / 1.9¹
- Estate / Van	bar	2.3 / 2.3

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30'² N/A
Castor		+2°30'±30' N/A
King pin inclination		+13°14'³ 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

1989 to 1992

Cylinder head - stage 1	Nm	40 oiled
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+ 160°
- stage 4	Nm	_
Big-end bearings	Nm	40, loosen, then⁴
Main bearings	Nm	70
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities

XM, 2.0i

1989 to 1992

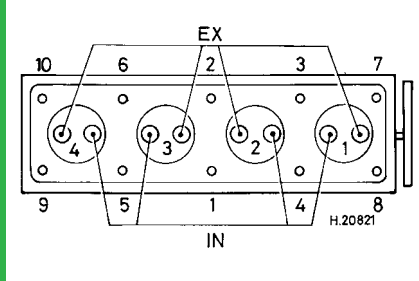
Engine oil & filter	litres	5.4
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	7.3. A/C: 8.25
Fuel tank	litres	80

Notes and Illustrations

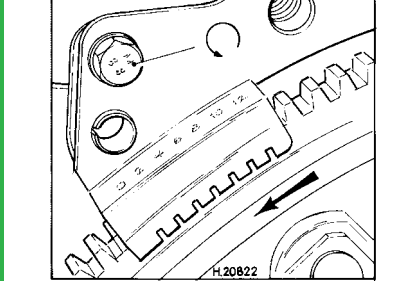
- ¹A/C: 2.2 / 1.9
- ²Hydractive suspension: -15'±30'
- ³Hydractive suspension: +13°28'
- ⁴20 + 70°

1: Idle speed

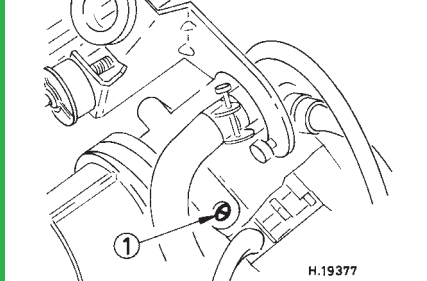
2: CO / Mixture



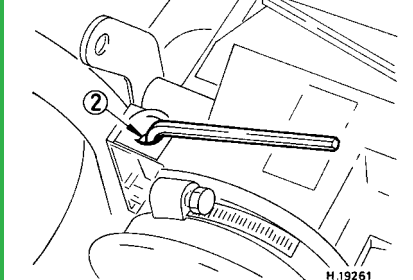
1998 cm³, 8V



1998 cm³, 8V



LE2-Jetronic



LE2-Jetronic