

Engine & Cooling

Fuel

Ignition

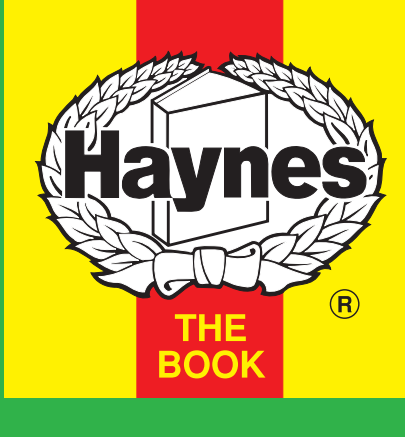
Electrical

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 systemXM 2.0i CAT1989 to 1994

Type		XU10J2/Z (RFZ) US83
Capacity (cm³) / 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 systemXM 2.0i CAT1989 to 1994

Idle speed - manual [auto]	rpm	850±50 [800. A/C: 850] N/A
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	%	N/A
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		MP3.1/MP5.1-Motronic
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition systemXM 2.0i CAT1989 to 1994

Type		DME Motronic
Ignition coil		Ducellier DTR 02
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	Computer control N/A
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		Eyquem/Champion
Type		RFC52LS / C7YCC
Electrode gap	mm	0.70

Electrical systemXM 2.0i CAT1989 to 1994

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 gearXM 2.0i CAT1989 to 1994

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 / 1.9. A/C: 2.2 / 1.9
- Estate / Van	bar	2.3 / 2.3

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30' ¹ N/A
Castor		+2°30'±30' N/A
King pin inclination		+13°14' ² 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 settingsXM 2.0i CAT1989 to 1994

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, then 20 +70°
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

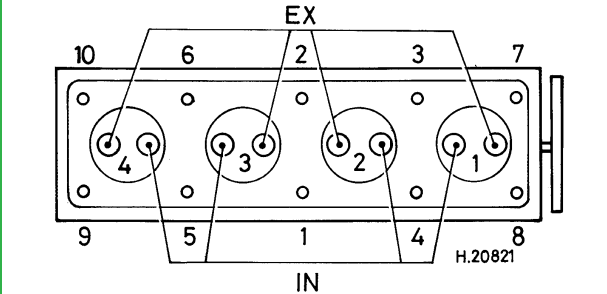
CapacitiesXM 2.0i CAT1989 to 1994

Engine oil & filter	litres	5.4
Gearbox - 4-speed [5-speed]	litres	2.3
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

¹Hydractive suspension: -15'±30'

²Hydractive suspension: +13°28'



1998 cm³, 8V