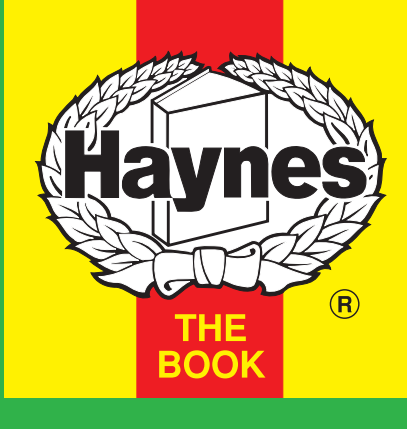


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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
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Engine and cooling systemJumper/Relay 2.0i1994 to 1997

Type		XU10J2U/W2/X3 (RFW) 80kW
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[6.0 to 6.3]
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	_
Radiator cap pressure	bar	_

Fuel systemJumper/Relay 2.0i1994 to 1997

Idle speed - manual [auto]	rpm	_
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	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Magneti-Marelli
Type / ref		MMDCM 8P-11 MPI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemJumper/Relay 2.0i1994 to 1997

Type		Static
Ignition coil		_
Primary resistance	ohms	_
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
Type		FR7LDC
Electrode gap	mm	0.80

Electrical systemJumper/Relay 2.0i1994 to 1997

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

Running gearJumper/Relay 2.0i1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	_
Estate / Van	Size	195/70x15: 205/70x15 ¹
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	195: 3.0 / 3.0 ²

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		0±30' N/A
Castor		+1°±30' N/A
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0 N/A
Camber		0±10' N/A

Torque wrench settingsJumper/Relay 2.0i1994 to 1997

Cylinder head - stage 1	Nm	35
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+160°
- stage 4	Nm	_
Big-end bearings	Nm	40, slacken, then 20 + 70°
Main bearings	Nm	70
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 N LkC
Front hubs	Nm	450. 18Q model: 500
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	160. 18Q model: 180
Spark plugs	Nm	28

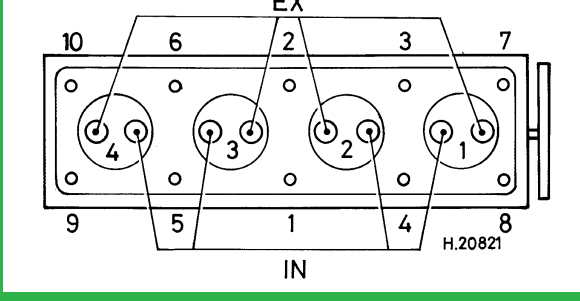
CapacitiesJumper/Relay 2.0i1994 to 1997

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.85
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	_
Fuel tank	litres	_

Notes and Illustrations

¹205/75x16: 215/75x16

²Others: 4.5 / 4.5



1998 cm³, 8V