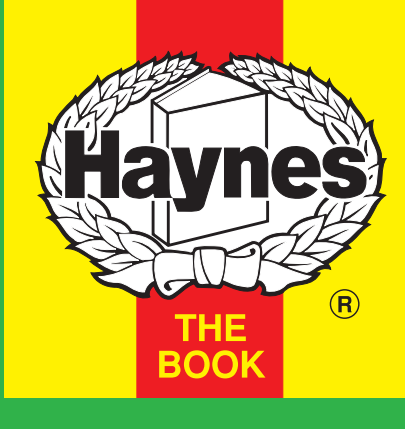


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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MENU	HELP
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Engine and cooling systemBX 16i CAT1991 to 1994

Type	XU5M3Z (BDY) 65kW US83	
Capacity (cm³) / number of cylinders	1580 / 4	
Compression ratio / pressure	bar	8.95 / _
Oil pressure	bar	[3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 to 0.25
Valve clearance - exhaust	mm	0.35 to 0.45
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	79 to 82
Radiator cap pressure	bar	1.0

Fuel systemBX 16i CAT1991 to 1994

Idle speed - manual [auto]	rpm	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	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	_	
Type / ref	MM G6.10 Monopoint	
Main jet / needle	_	
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemBX 16i CAT1991 to 1994

Type	Static	
Ignition coil	2x Bosch, Valeo BAE 04	
Primary resistance	ohms	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	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	FC52LS / C9YCX	
Electrode gap	mm	0.90

Electrical systemBX 16i CAT1991 to 1994

Battery	V / CC / RC	12 / 225 / 45, / 200 / 33
Alternator voltage / full load current / engine rpm	13.5 / 50 / 3650	
Starter motor current / voltage - cranking	A / V	220 /
- locked	A / V	350 /

Running gearBX 16i CAT1991 to 1994

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

Tyres		
Saloon	Size	165/70x14
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	2.3 / 2.5

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber	0±30'	
Castor	+2°±35'	
King pin inclination	+11°58'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0
Camber	-1°±20'	

Torque wrench settingsBX 16i CAT1991 to 1994

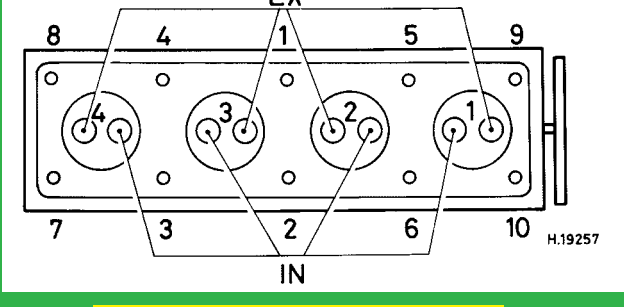
Cylinder head - stage 1	Nm	60
- stage 2	Nm	20 ¹
Cylinder head - stage 3	Nm	+ 120°
- stage 4	Nm	_
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	25

CapacitiesBX 16i CAT1991 to 1994

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	66

Notes and Illustrations

¹Slacken and then retighten each bolt in turn in sequence shown, to stage 2



1580 cm³