

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

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HELP

### Engine and cooling system BX 16V / 16S 1987 to 1993

Type	XU9J4 (D6C) DOHC 16V 116kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	1905 / 4	
Compression ratio / pressure	bar	10.4 / _
Oil pressure	bar	2.0 [4.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.0

### Fuel system BX 16V / 16S 1987 to 1993

Idle speed - manual [auto]	rpm	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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥13.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	Motronic. 91 ▶: M1.3-Motronic	
Main jet / needle	_	
Injection pressure	bar	3.0 to 3.5
Pump pressure	bar	_
Octane rating	RON	98[L] <sup>1</sup>

### Ignition system BX 16V / 16S 1987 to 1993

Type	DME Motronic	
Ignition coil	Bosch	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	6.75 BTDC @ idle
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	FC62LS3 / C7YCX, 91 ▶: RC7BMC	
Electrode gap	mm	0.80

### Electrical system BX 16V / 16S 1987 to 1993

Battery	V / CC / RC	12 / 225 / 33
Alternator voltage / full load current / engine rpm	13.5 / 80 / 3650	
Starter motor current / voltage - cranking	A / V	220 to 250 / _
- locked	A / V	_

### Running gear BX 16V / 16S 1987 to 1993

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
<b>Tyres</b>		
Saloon	Size	195/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.1 <sup>1</sup>
- Estate / Van	bar	_
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30'
Castor		+2°±35'
King pin inclination		+11°58'
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0
Camber		-1°±20'

### Torque wrench settings BX 16V / 16S 1987 to 1993

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	<sup>2</sup>
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

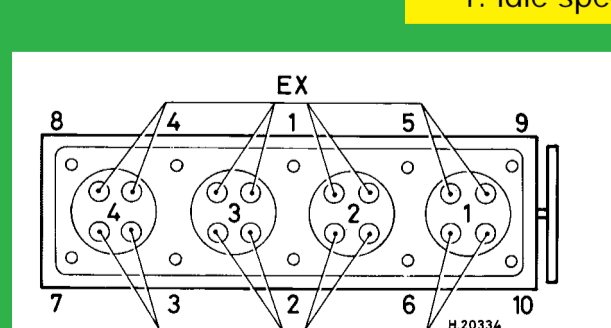
### Capacities BX 16V / 16S 1987 to 1993

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	66

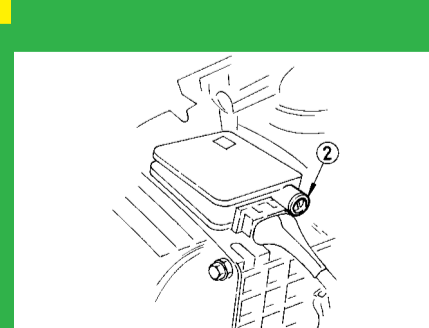
### Notes and Illustrations

- <sup>1</sup>91 ▶: [E 95 RON]
- <sup>2</sup>90 ▶: 2.1 / 1.9
- <sup>3</sup>40, then 0, then 20 + 70°

1: Idle speed 2: CO / Mixture



1905 cm<sup>3</sup>, DOHC 16V



Motronic