

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 systemBX 19i & 4x41990 to 1992

Type		XU9J2 (D6D) 89kW 15.04
Capacity (cm³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	[3.5]
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	82
Radiator cap pressure	bar	1.0

Fuel systemBX 19i & 4x41990 to 1992

Idle speed - manual [auto]	rpm	875±25
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		Motronic MP 3.1
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	98[E 95 RON]

Ignition systemBX 19i & 4x41990 to 1992

Type		Static
Ignition coil		Valeo BAE 04
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	_
	° 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		RFC58LS / RC7YCC
Electrode gap	mm	0.80

Electrical systemBX 19i & 4x41990 to 1992

Battery	V / CC / RC	12 / 225 / 33
Alternator voltage / full load current / engine rpm		13.5 / 50, 80 / 3650
Starter motor current / voltage - cranking	A / V	220 / _
- locked	A / V	350 / _

Running gearBX 19i & 4x41990 to 1992

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

Tyres		
Saloon	Size	185/60x14:175/65x14:175/70x14
Estate / Van	Size	185/60x14: 175/65x14
Pressure - front / rear - Saloon	bar	2.2 / 2.2¹
- Estate / Van	bar	2.3 / 2.5

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30'. 4x4: +1°39'±35'
Castor		+2°±35'. 4x4: 0±30'
King pin inclination		+11°58'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0²
Camber		-1°±20'

Torque wrench settingsBX 19i & 4x41990 to 1992

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
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	80 Alloy: 90
Spark plugs	Nm	25

CapacitiesBX 19i & 4x41990 to 1992

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.8³
Automatic transmission - refill	litres	2.5
Final drive	litres	4x4 rear: 1.7
Cooling system	litres	6.5
Fuel tank	litres	66. Estate: 52

Notes and Illustrations

- ¹4x4: 2.1 / 2.1
- ²4x4: +1.6 to 5.0
- ³Transfer box: 1.8

