

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

Engine and cooling system BX 19 & 4x4 1990 to 1993

Type		XU92C+ (D2F) 78kW
Capacity (cm ³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.0 / _
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 system BX 19 & 4x4 1990 to 1993

Idle speed - manual [auto]	rpm	675±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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		34-34Z1 PSA547/549/548/551/2/3
Main jet / needle		115±5, 122±5
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	98[E 95 RON]

Ignition system BX 19 & 4x4 1990 to 1993

Type		Electronic - Hall effect
Ignition coil		Bosch, Ducellier
Primary resistance	ohms	B: 0.82±10%. D: 0.8±5%
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier/Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C062-D017
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 900 to 1400
	° Crankshaft @ rpm	11 to 15 @ 3000
	° Crankshaft @ rpm	19 to 23 @ 4150
Vacuum range check	mbar	90 to 430
Maximum vacuum advance	° Crankshaft	18 to 22
Spark plugs		Eyquem/Champion
Type		FC52LS / C9YCX
Electrode gap	mm	0.80

Electrical system BX 19 & 4x4 1990 to 1993

Battery	V / CC / RC	12 / 200 / 33
Alternator voltage / full load current / engine rpm		13.5 / 50, 80 / 3650
Starter motor current / voltage - cranking	A / V	220 / _
- locked	A / V	310 to 350 / _

Running gear BX 19 & 4x4 1990 to 1993

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
Tyres		
Saloon	Size	165/70x14: 175/65x14
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	2.1 / 2.1 ¹
- Estate / Van	bar	2.2 / 2.4
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 +5.0 ²
Camber		-1°±20' N/A

Torque wrench settings BX 19 & 4x4 1990 to 1993

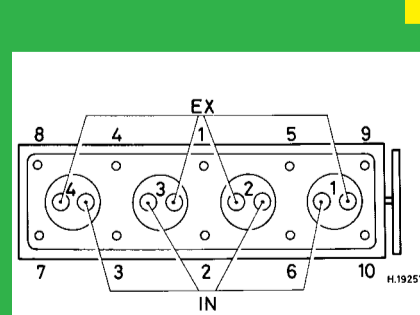
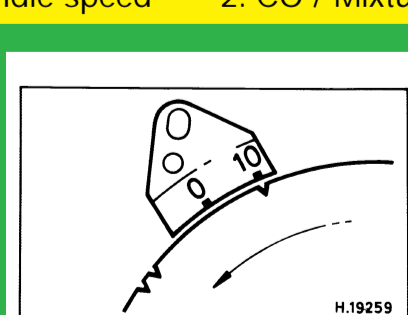
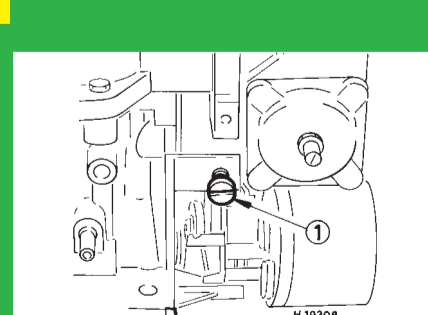
Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	80 Alloy: 90
Spark plugs	Nm	25

Capacities BX 19 & 4x4 1990 to 1993

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.8 ³
Automatic transmission - refill	litres	_
Final drive	litres	4x4 rear: 1.7
Cooling system	litres	6.5
Fuel tank	litres	66

Notes and Illustrations

- ¹4x4: 2.1 / 2.2
- ²4x4: +1.6 to 5.0
- ³Transfer box: 1.8

1: Idle speed 2: CO / Mixture

1905 cm³, 8V

1905 cm³, 8V

Solex Z1