

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 4x4 CAT 1990 to 1993

Type		XU9M (DDZ) 80kW
Capacity (cm ³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.18 / _
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 4x4 CAT 1990 to 1993

Idle speed - manual [auto]	rpm	800 to 900 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 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		Fenix 1B
Main jet / needle		_
Injection pressure	bar	0.8
Pump pressure	bar	0.7 to 0.9
Octane rating	RON	95[U]

Ignition system BX 4x4 CAT 1990 to 1993

Type		Renix - AEI
Ignition coil		MPA. Bendix. Solex
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	10 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	_
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Eyquem/Champion
Type		FC52LS / C9YCX
Electrode gap	mm	0.80

Electrical system BX 4x4 CAT 1990 to 1993

Battery	V / CC / RC	12 / 45Ah
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 4x4 CAT 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 / 2.2
- Estate / Van	bar	2.2 / 2.4
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		+1°39'±35'
Castor		0±30'
King pin inclination		+11°58'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.6 to 5.0
Camber		-1°±20' N/A

Torque wrench settings BX 4x4 CAT 1990 to 1993

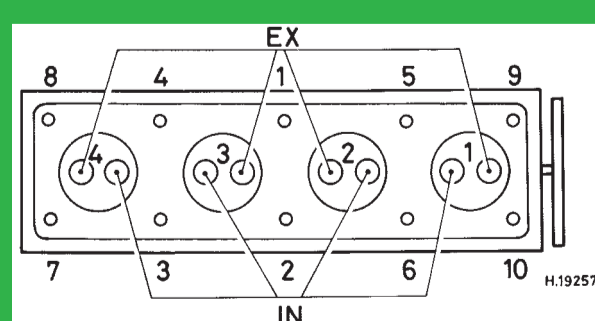
Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	25

Capacities BX 4x4 CAT 1990 to 1993

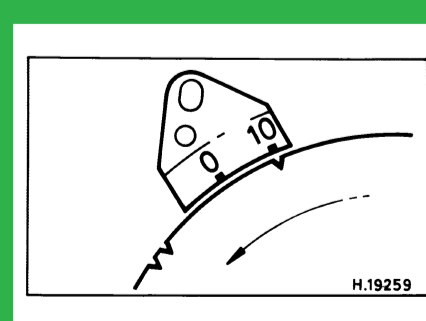
Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.9 ¹
Automatic transmission - refill	litres	_
Final drive	litres	Rear: 1.7
Cooling system	litres	7.0
Fuel tank	litres	66

Notes and Illustrations

¹Transfer box: 1.8



1905 cm³, 8V



1905 cm³, 8V