

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 ZX 1.6i CAT 1992 to 1993

Type		XU5M.3/L/Z ¹ (BDY) 65kW US83
Capacity (cm ³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	8.95 / _
Oil pressure	bar	[4.5]
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	89 to 101
Radiator cap pressure	bar	1.4

Fuel system ZX 1.6i CAT 1992 to 1993

Idle speed - manual [auto]	rpm	850 to 900 [850±50] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_
Type / ref		MMDCM Monopoint G6.10/12
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	0.8±0.1
Octane rating	RON	95[U]

Ignition system ZX 1.6i CAT 1992 to 1993

Type		Static
Ignition coil		2x Bosch. Ducellier 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	[10 to 12]
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		Bosch/Champion
Type		F7DCOR / C9YCX
Electrode gap	mm	0.80 to 0.90

Electrical system ZX 1.6i CAT 1992 to 1993

Battery	V / CC / RC	(12L1 200, 12L1 250, 12L2 300)
Alternator voltage / full load current / engine rpm		13.8 to 14.5 / 65 / 3600
Starter motor current / voltage - cranking	A / V	220 /
- locked	A / V	350 /

Running gear ZX 1.6i CAT 1992 to 1993

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	175/65x14: 175/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -2.0. PAS: +2.5 to 4.5
Camber		+30'±40' N/A
Castor		+30'±40'. PAS: +2°±40' N/A
King pin inclination		+10°45'±40'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.0 to +2.0
Camber		-1°±40'

Torque wrench settings ZX 1.6i CAT 1992 to 1993

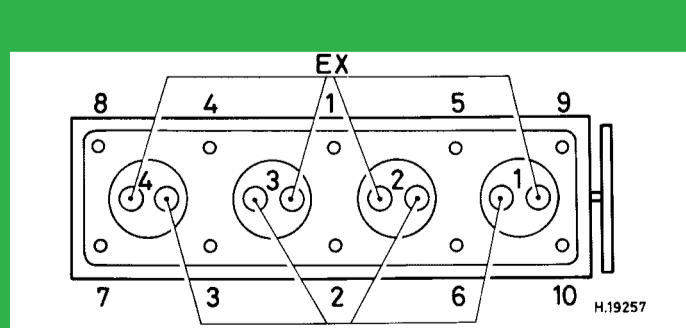
Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	25

Capacities ZX 1.6i CAT 1992 to 1993

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	7.5 [AT: 8.5]
Fuel tank	litres	56

Notes and Illustrations

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1580 cm³