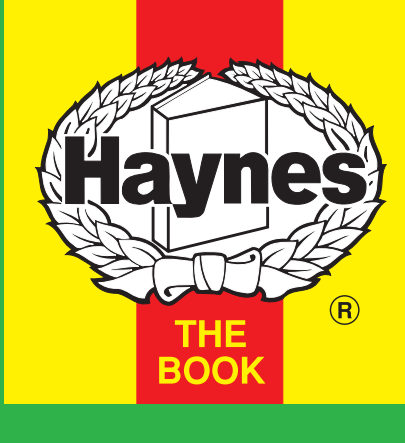




Automotive
Technical
DATA BOOK

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

ZX 1.1i CAT

1991 to 1996

Type		TU1M/LZ (HDZ/HDY) 44kW EEC93 ¹
Capacity (cm ³) / number of cylinders		1124 / 4
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	90
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	89
Radiator cap pressure	bar	1.4

Fuel system

ZX 1.1i CAT

1991 to 1996

Idle speed - manual [auto]	rpm	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	_
CO2 @ idle speed [3000 rpm] - see page VI	%	≥11.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		A2.2-Mono-Jetronic.94 ►: MA3
Main jet / needle		_
Injection pressure	bar	1.0
Pump pressure	bar	1.1
Octane rating	RON	95[U]

Ignition system

ZX 1.1i CAT

1991 to 1996

Type		Electronic
Ignition coil		BTR 02. MA3.0: BAE04
Primary resistance	ohms	0.8. BAE04: 0.5 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C061-D046
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1300
	° Crankshaft @ rpm	13 to 17 @ 3000
	° Crankshaft @ rpm	21 to 25 @ 6000
Vacuum range check	mbar	130 to 250
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs		Bosch
Type		FR8LDC
Electrode gap	mm	0.90

Electrical system

ZX 1.1i CAT

1991 to 1996

Battery	V / CC / RC	(12L1 200, 12L1 250)
Alternator voltage / full load current / engine rpm		13.8 to 14.5 / 70 / 1800
Starter motor current / voltage - cranking	A / V	275 / 12
- locked	A / V	220 / _

Running gear

ZX 1.1i CAT

1991 to 1996

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

Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to -3.0. PAS: +1.0 to 3.0
Camber		0±40' N/A
Castor		+1°30'±40'. PAS: +3°±40' N/A
King pin inclination		+10°45'±40'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.5 to 6.0
Camber		-1°±40'

Torque wrench settings

ZX 1.1i CAT

1991 to 1996

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	35
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	240
Rear hubs	Nm	200
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities

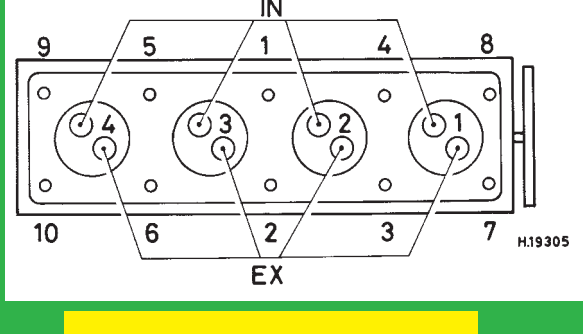
ZX 1.1i CAT

1991 to 1996

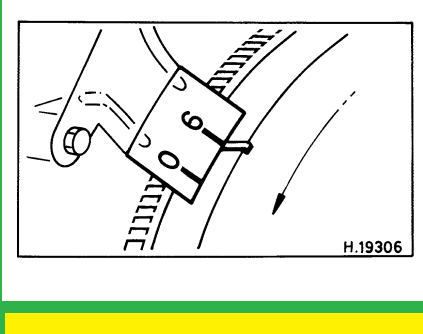
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5. A/C to 93: 7.5
Fuel tank	litres	56. 96 ►: 54

Notes and Illustrations

¹HDY: 40kW



1124 cm³



1124 cm³