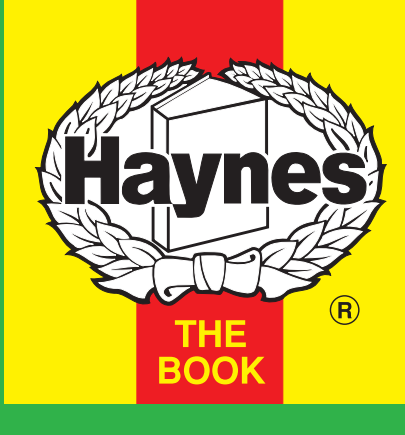




Automotive Technical

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 1.9i CAT

1992 to 1994

Type		XU9JA/Z (DKZ) 88kW US83
Capacity (cm³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.2 / _
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
Radiator cap pressure	bar	1.4

Fuel system

ZX 1.9i CAT

1992 to 1994

Idle speed - manual [auto]	rpm	850±50
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	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		M1.3-Motronic MPI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	95[U]

Ignition system

ZX 1.9i CAT

1992 to 1994

Type		DME Motronic
Ignition coil		Ducellier BTR 05
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	N/A
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C053-D017
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1200 to 1500
	° Crankshaft @ rpm	11 to 15 @ 3000
	° Crankshaft @ rpm	20 to 24 @ 5000
Vacuum range check	mbar	90 to 430
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs		Bosch/Champion
Type		F7DCOR / C9YCX
Electrode gap	mm	0.80 to 0.90

Electrical system

ZX 1.9i CAT

1992 to 1994

Battery	V / CC / RC	12 / 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	310 to 350 / _

Running gear

ZX 1.9i CAT

1992 to 1994

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

Tyres		
Saloon	Size	185/60x14
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'
Castor		+1°30'±30'. PAS: +3°±40'
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 1.9i CAT

1992 to 1994

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	40, slacken, then 20 + 70°
Main bearings	Nm	53
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	200
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

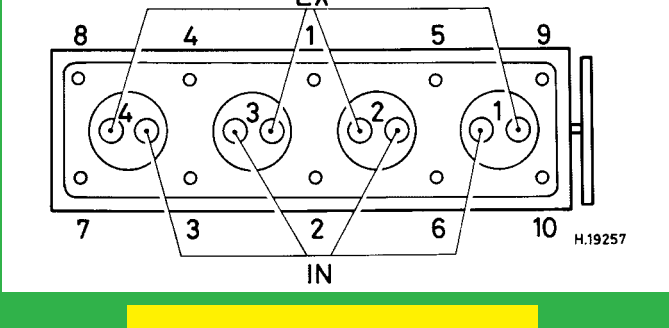
Capacities

ZX 1.9i CAT

1992 to 1994

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



1905 cm³, 8V