



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.

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HELP

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

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	—
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ 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[11]

Ignition system		2X 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	

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		

Saloon	Size	175/65x14, 175/65x14
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.2 / 2.1
- Estate / Van	bar	

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'

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	

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		2X 1.0i 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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