

Engine & Cooling

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Automotive Technical
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Engine and cooling system ZX 2.0i 16V 1994 to 1996

Type		XU10J4D/L/Z/L3(RFT) 110kW EC96
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.4 / _
Oil pressure	bar	2.1 [6.4]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
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 2.0i 16V 1994 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		MP3.2-Motronic MPI SEFI
Main jet / needle		_
Injection pressure	bar	2.0 to 2.5
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system ZX 2.0i 16V 1994 to 1996

Type		Direct electronic
Ignition coil		4xValeo BAE 01 (1 per plug)
Primary resistance	ohms	0.65
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	Computer control N/A
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		Eyquem/Champion
Type		RFC58LS / RC7YCC
Electrode gap	mm	0.80

Electrical system ZX 2.0i 16V 1994 to 1996

Battery	V / CC / RC	12 / 200 / _
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 2.0i 16V 1994 to 1996

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

Tyres		
Saloon	Size	195/55x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.3
- 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		+3°±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 2.0i 16V 1994 to 1996

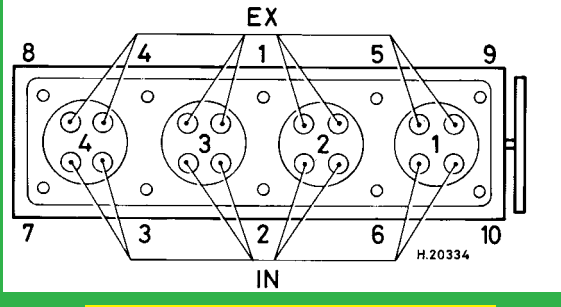
Cylinder head - stage 1	Nm	35
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+ 160°
- stage 4	Nm	_
Big-end bearings	Nm	50
Main bearings	Nm	75
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	200
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities ZX 2.0i 16V 1994 to 1996

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	56. 96 ►: 54

Notes and Illustrations

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1998 cm³, 16V