

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Type		C3J-7-60 45kW
Capacity (cm ³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.0 / _
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	83
Radiator cap pressure	bar	0.9

Fuel system 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
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	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bendix
Type / ref		Renix Monopoint SPI
Main jet / needle		_
Injection pressure	bar	1.0±0.02
Pump pressure	bar	3.0
Octane rating	RON	92[U]

Ignition system 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Type		Computerized
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
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	Computer control
	° 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		W8DC / RN12YC
Electrode gap	mm	0.75 to 0.85

Electrical system 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	340 to 460 / _

Running gear 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	145/70x13: 155/70x13
Estate / Van	Size	155x13: 145/70x13: 155/70x13
Pressure - front / rear - Saloon	bar	2.0 / 2.2
- Estate / Van	bar	2.1 / 2.5

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		+15'±30'
Castor		+1°30'±30'
King pin inclination		+12°40'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +3.0
Camber		-50'±30' N/A

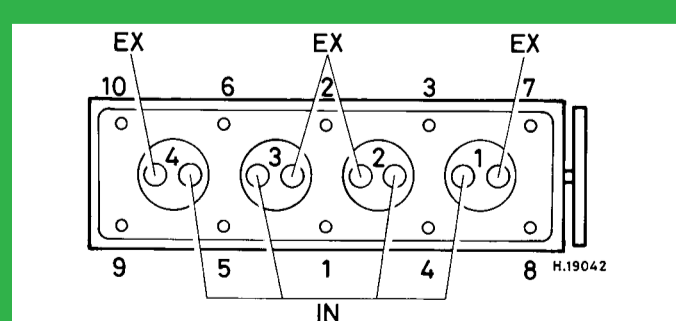
Torque wrench settings 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Cylinder head - stage 1	Nm	55 to 65
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	45
Main bearings	Nm	55 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	_

Capacities 5, Extra 1.4 CAT (B/C/F407) 1990 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	JB1: 3.4. JB5: 2.9
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	43

Notes and Illustrations



1390 cm³