

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

5, Extra 1.4 CAT (B/C/F407)

1990 to 1997

Type		C3J-7-60 45kW
Capacity (cm³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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	_

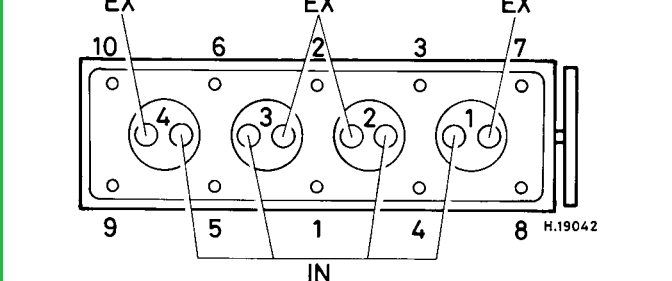
Capacities

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