

Engine & Cooling

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Automotive Technical
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Engine and cooling system

Extra/Express 1.4 CAT(F40U)

1992 to 1997

Type	E7J-7-24/-7-26/-7-73	
Capacity (cm ³) / number of cylinders	1390 / 4	
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	86 to 98
Radiator cap pressure	bar	0.9

Fuel system

Extra/Express 1.4 CAT(F40U)

1992 to 1997

Idle speed - manual [auto]	rpm	825±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	Bosch	
Type / ref	Monopoint SPI	
Main jet / needle	_	
Injection pressure	bar	1.06±0.05
Pump pressure	bar	1.06
Octane rating	RON	95[U]

Ignition system

Extra/Express 1.4 CAT(F40U)

1992 to 1997

Type	Computerized	
Ignition coil	_	
Primary resistance	ohms	_
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	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	NGK/Eyquem	
Type	BCP5ES / FC52LS	
Electrode gap	mm	0.85 to 0.95

Electrical system

Extra/Express 1.4 CAT(F40U)

1992 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

Extra/Express 1.4 CAT(F40U)

1992 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	_
Estate / Van	Size	155x13: 165/70x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.1 / 2.5 ¹

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber	+30'±30' N/A	
Castor	+2°±30' N/A	
King pin inclination	12°10'±30' N/A	

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

Torque wrench settings

Extra/Express 1.4 CAT(F40U)

1992 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 97±2°
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	20 + 97±2°
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	175
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities

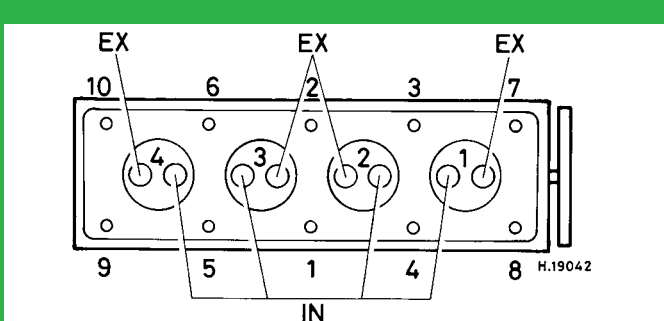
Extra/Express 1.4 CAT(F40U)

1992 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	43

Notes and Illustrations

¹165/70x13: 2.4 / 3.4



1390 cm³