

Engine & Cooling

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Automotive Technical
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Engine and cooling system405, 1.4i CAT1992 to 1994

Type	TU3MC/L/Z (KDX) 55kW US83	
Capacity (cm³) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	2.0 [4.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88 to 100
Radiator cap pressure	bar	1.4

Fuel system405, 1.4i CAT1992 to 1994

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	1300±50 N/A
CO @ idle speed [3000 rpm] - see page VI	%	≤0.4
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	MA3.0-Monopoint SPI	
Main jet / needle	_	
Injection pressure	bar	1.0
Pump pressure	bar	1.0
Octane rating	RON	95[U]

Ignition system405, 1.4i CAT1992 to 1994

Type	Static	
Ignition coil	BAE 04, 4 output	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	_	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	8 BTDC @ 850 N/A
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	Eyquem/Champion	
Type	RFC52LS / RC9YCC	
Electrode gap	mm	0.80

Electrical system405, 1.4i CAT1992 to 1994

Battery	V / CC / RC	12 / 200 / 33 (12L1 200)
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / 50 / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear405, 1.4i CAT1992 to 1994

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

Tyres		
Saloon	Size	165/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW
Camber	0±30'	
Castor	+2°10'±30'. PAS: +3°±30'	
King pin inclination	+11°30'±30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.75±0.8 PW
Camber	-1°30'±30'	

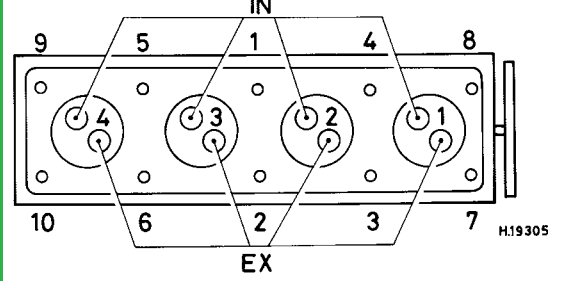
Torque wrench settings405, 1.4i CAT1992 to 1994

Cylinder head - stage 1	Nm	20. Bolt length ≤176.5
- stage 2	Nm	+ 120°
Cylinder head - stage 3	Nm	+ 120°
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	WSM
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

Capacities405, 1.4i CAT1992 to 1994

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	70

Notes and Illustrations



1360 cm³